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UNIVERSITY OF LONDON,

UNIVERSITY COLLEGE.

ANNUAL REPORT.

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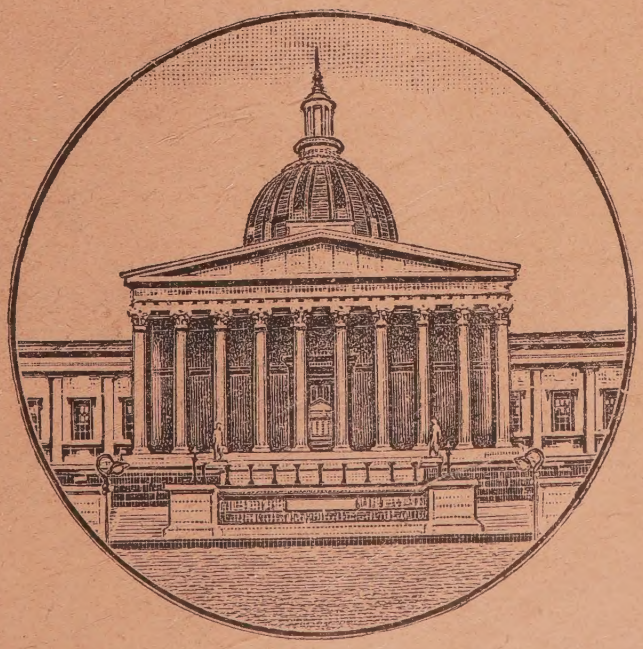

LONDON:

TAYLOR AND FRANCIS, RED LION COURT, FLEET STREET.

1934.

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COLLEGE COMMITTEE.

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AMY TOMES, J.P.
WILFRED TROTTER, M.D., M.S., LL.D., F.R.C.S., F.R.S.†

---

† Fellow of the College.
‡ Hon. Fellow of the College.

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Vice-Chairman: Sir ALEXANDER GIBB, G.B.E., C.B., F.R.S.E., M.Inst.C.E.†

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Professor J. C. DRUMMOND, D.Sc.

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ROGER T. SMITH, B.Sc., M.Inst.C.E., M.Inst.M.E., M.Inst.E.E.†

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‡ Hon. Fellow of the College.

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Ex officio: The Chairman of the College Committee (Professor Sir John Rose Bradford, Bt., K.C.M.G., C.B., C.B.E., D.C.L., LL.D., M.D., D.Sc., Past Pres.R.C.P., F.R.S.).†

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H. Arthur Baker, M.A., D.L., J.P.

Sir Robert Waley Cohen, K.B.E.

Sir Alexander Gibb, G.B.E., C.B., F.R.S.E., M.Inst.C.E.†

David Heron, D.Sc.†

G. I. H. Lloyd, M.A.

The Rt. Hon. Lord Loch, C.B., C.M.G., M.V.O., D.S.O. (*Joint Treasurer*).

Allen Mawer, M.A., Litt.D., F.B.A. (*Provost*).†

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Wilfred Trotter, M.D., M.S., LL.D., F.R.C.S., F.R.S.†

---

† Fellow of the College.
‡ Hon. Fellow of the College.

PROFESSORIAL BOARD.

Chairman.

ALLEN MAWER, M.A., Litt.D., F.B.A.†

	Appointed§
S. D. Adshead, M.A., M.Arch., F.R.I.B.A.	1914
Sir Maurice Sheldon Amos, K.B.E., M.A., K.C.	1932
E. N. da C. Andrade, D.Sc., Ph.D.†	1928
Bernard Ashmole, M.A., B.Litt.	1929
E. A. Baker, M.A., D.Lit., F.L.A.	1919
H. E. Monteagle Barlow, B.Sc., Ph.D., A.M.I.E.E.*	1929
L. F. Bates, D.Sc., Ph.D.*	1927
Norman H. Baynes, M.A., F.B.A.	1932
H. Hale Bellot, M.A.†	1930
Tancred Borenius, D.Lit., Ph.D.	1922
O. L. Brady, D.Sc.*	1931
Louis M. Brandin, M.A., Ph.D.	1901
Cyril Burt, M.A., D.Sc.	1932
Harold E. Butler, M.A.	1911
M. Cary, M.A., D.Litt.	1908
R. W. Chambers, M.A., D.Lit., F.B.A.†	1922
W. C. Clinton, B.Sc., M.Inst.E.E.†	1926
E. G. Coker, M.A., D.Sc., M.Inst.C.E., F.R.S.	1914
Eliza Jeffries Davis, M.A., F.S.A.†	1921
F. G. Donnan, C.B.E., M.A., LL.D., Ph.D., D.Sc., F.R.S.	1913
J. C. Drummond, D.Sc.	1920
C. Lovatt Evans, D.Sc., F.R.C.P., F.R.S.†	1926
C. B. Fawcett, B.Litt., D.Sc.	1928
E. C. Fieller, M.A.*	1933
L. N. G. Filon, C.B.E., M.A., D.Sc., F.R.S.†	1912
R. A. Fisher, M.A., Sc.D., F.R.S.	1933
Elizabeth Fraser, D.Sc.†*	1931
Edmund G. Gardner, M.A., Litt.D., F.B.A.	1923
P. Geyl, Lit.D.	1919
W. E. Gibbs, D.Sc.**	1928
S. R. K. Glanville, M.A.	1933
J. B. S. Haldane, M.A., F.R.S.	1933
N. F. Hall, B.A., A.M.	1927
H. A. Harris, M.D., D.Sc., M.R.C.P., M.R.C.S.†	1931
A. V. Hill, O.B.E., M.A., Sc.D., F.R.S.	1923

† Fellow of the College. ‡ Hon. Fellow of the College.

§ The dates given in the case of Professors are those in which they were appointed to their respective Chairs : in the case of others, the dates are those in which they were appointed members of the Professorial Board.

* Selected by ballot for membership during Session 1933–34. (College Statute 24 (5), Regulation 29.)

** Died on 18th January, 1934.

	Appointed§
J. P. Hill, D.Sc., F.R.S.	1906
T. G. Hill, D.Sc., A.R.C.S.	1929
C. K. Ingold, D.Sc., F.R.S.	1930
G. B. Jeffery, M.A., D.Sc., F.R.S.†	1924
H. F. Jolowicz, M.A., LL.D.	1931
Daniel Jones, M.A.	1921
G. W. Keeton, M.A., LL.D.	1931
W. B. R. King, O.B.E., M.A.	1931
J. Macmurray, M.C., M.A.	1928
J. H. Morgan, M.A., K.C., D.L.	1915
Margaret A. Murray, D.Lit.†	1925
J. E. Neale, M.A.†	1927
M. T. M. Ormsby, M.Inst.C.E.I.	1921
E. S. Pearson, M.A., D.Sc.†	1933
W. J. Perry, M.A., D.Sc.	1923
A. E. Richardson, F.S.A., F.R.I.B.A.	1919
E. J. Salisbury, D.Sc., F.R.S. †	1929
Randolph Schwabe	1930
C. Singer, M.D., D.Litt., F.R.C.P.	1931
C. J. Sisson, M.A., D.-ès-L.	1928
M. T. Smiley, M.A.	1925
G. Elliot Smith, M.A., M.D., F.R.C.P., F.R.S.	1919
F. W. Thomas, C.I.E., M.A., Ph.D., F.B.A.	1913
E. B. Verney, M.A., M.B., B.Ch., F.R.C.P., M.R.C.S.	1926
D. M. S. Watson, D.Sc., F.R.S.	1921
J. A. Wilks, M.A., F.L.A.[Librarian]	1926
C. H. Williams, M.A.*	1933
L. A. Willoughby, M.A., D.Lit., Ph.D.†	1931
A. Wolf, M.A., D.Lit.†	1921
D. Orson Wood, M.Sc.	1932
T. L. Wren, M.A.	1925

Assessors.

The Sub-Deans of the Faculties :—

Arts : L. Solomon, M.A.	1907
Engineering : H. T. Davidge, B.Sc., M.Inst.E.E	1926
Medical Sciences : J. Kirk, M.B., Ch.B., F.R.C.S.E.	1929

The Tutor to Women Students :—

Edith Goodyear, B.Sc.	1926

† Fellow of the College.

§ The dates given in the case of Professors are those in which they were appointed to their respective Chairs : in the case of others, the dates are those in which they were appointed members of the Professorial Board.

* Selected by ballot for membership during the Session 1933–34. (College Statute 24 (5), Regulation 29.)

ADMINISTRATIVE OFFICERS.

PROVOST.

ALLEN MAWER, M.A., Litt.D., F.B.A., Fellow of the College.

Secretary.—C. O. G. DOUIE.

Senior Tutors.—Faculties of Arts and Laws: L. SOLOMON, M.A. *Faculties of Science, Engineering and Medical Sciences*: J. KIRK, M.B., Ch.B.,F.R.C.S.E.

Tutor to Women Students.—EDITH GOODYEAR, B.Sc.

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Assistant Secretary.—B. G. GREIG.

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Cashier.—H. MARKLEW. *Assistant Cashier.*—J. H. NICHOLLS.

Clerks.—L. J. GUE, ELSIE C. HOLLAND, R. LINGE, HELEN E. WHALL. *Telephone Operator.*—LOUISA SANSOM.

Library Staff.—*Librarian.*—J. A. WILKS, M.A., F.L.A.
Sub-Librarian.—NORAH BEALE, B.A.

Assistant Librarians.—F. M. C. JOHNSON, JOYCE PEARSON, A. E. TOOTH, M.A., O. W. PENDLETON, M.A. *Senior Library Assistant.*—R. A. BLACKALL. *Library Assistants.*—R. I. J. TULLY, C. F. A. MARMOY. *Junior Library Assistants.* J. L. THORNTON, H. J. MARTIN, S. M. B. BURDEN, N. HEBBLETHWAITE. *Clerical Assistant.*—KATHLEEN M. THOMSON.

Auditors.—Messrs. PRICE, WATERHOUSE, & CO.

Honorary Sanitary Adviser.—M. E. DELAFIELD, M.B., B.Ch., D.P.H.

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Foreman.—W. H. WILLSTEED. *Clerk.*—E. W. FELLOWS.

Establishment Officer.—D. H. GILL, C.M.G., D.S.O.
Clerk.—W. N. PICKFORD.

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Chemistry Stores. *Comptroller.*—H. J. EVANS, B.Sc. *First Assistant.*—A. W. CONISBEE. *Second Assistant.*—P. W. SLATER.

DEPARTMENTS AND STAFF.

(*January* 1934.)

[The names of Members of the respective Faculties are printed in SMALL CAPITALS.]

Faculty of Arts.

Dean.—Professor C. B. FAWCETT.
Vice-Dean.—Professor J. MACMURRAY.
Sub-Dean.—L. SOLOMON.

Subject.	*Name.*	*Status.*
Anthropology	W. J. PERRY, M.A., D.Sc.	Reader (Cultural Anthropology).
	L. W. G. Malcolm, M.Sc., F.R.S.E.	Hon. Lecturer.
Archæology	BERNARD ASHMOLE, M.A., B.Litt., Hon. A.R.I.B.A.	Yates Professor.
	R. E. M. Wheeler, M.A., D.Lit., F.S.A.†	Lecturer (British Archæology).
	F. J. Richards, M.A.	Hon. Lecturer (Indian Archæology).
	K. de B. Codrington, M.A.....	Hon. Lecturer (Indian Arts & Crafts).
Architecture	A. E. RICHARDSON, F.S.A., F.R.I.B.A.	Professor.
	S. D. ADSHEAD, M.A., M.Arch., F.R.I.B.A.	Professor of Town Planning.
	H. O. CORFIATO, S.A.D.G., A.R.I.B.A.	Senior Lecturer.
	H. Warren Wilson, A.R.C.A. ..	Lecturer (Decoration).
	M. J. Dawson, F.R.I.B.A.	Lecturer (Building Construction).
	L. STUART STANLEY, M.A., F.R.I.B.A.	Lecturer and Tutor.
	H. Ingham Ashworth, B.A., A.R.I.B.A.	Lecturer.
	S. Hyde, A.R.I.B.A.	Senior Assistant.
	R. C. White-Cooper, B.A. A.R.I.B.A.	Assistant (Decoration).
	F. H. Carr, A.R.I.B.A., A.M.T.P.I.	Studio Instructors (Town Planning).
	J. D. M. Harvey, B.A.	
Celtic	R. E. FLOWER, D.Litt.....	Hon. Lecturer.
Dutch History and Institutions.	P. GEYL, Lit.D.	Professor.
Dutch Language and Literature.	Theodoor Weevers, L.Docts. ...	Lecturer.

† Fellow of the College.
‡ Hon. Fellow of the College.

Subject.	*Name.*	*Status.*
Egyptology and Coptic.	S. R. K. Glanville, M.A.	Reader.
	Margaret A. Murray, D.Lit.†	Assistant Professor.
English	R. W. Chambers, M.A., D.Lit., F.B.A.†	Quain Professor.
	C. J. Sisson, M.A., D.-ès-L. ...	Lord Northcliffe Professor.
	W. W. Greg, Litt.D., Hon. D.Litt.(Oxon.), F.B.A.	Hon. Lecturer (Bibliography).
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	J. R. Sutherland, M.A., B.Litt. .	Senior Lecturer.
	Edith C. Batho, M.A.....	Senior Lecturer.
	E. A. Baker, M.A., D.Lit.	Lecturer.
	Elsie V. Hitchcock, Ph.D., D.Lit.†	Lecturer.
	A. H. Smith, Ph.D.	Lecturer.
	H. Winifred Husbands, M.A. ..	Senior Assistant.
	G. Tillotson, M.A. B.Litt.	Assistant Lecturer.
	H. Jenkins, M.A.	Quain Student.
Fine Arts.....	Randolph Schwabe	Slade Professor.
	Tancred Borenius, D.Lit., Ph.D.	Durning - Lawrence Professor (History of Art).
	Walter Bayes, A.R.W.S.	Lecturer in Perspective.
	Margaret Alexander	Assistant.
	P. Brooker	Assistant.
	G. J. Charlton	Assistant.
	A. H. Gerrard	Assistant.
	A. Gwynne Jones, D.S.O.	Assistant.
	F. Ormrod	Assistant.
	F. C. White	Assistant.
	J. Wilkie.....	Assistant.
	W. T. Smith.....	Demonstrator (Wood Engraving).
French	Louis M. Brandin, M.A., Ph.D.	Fielden Professor.
	J. W. Jeaffreson, M.A.†	Senior Lecturer.
	E. M. Stéphan	Senior Lecturer.
	Beatrice J. Schlumberger, M.A.	Lecturer.
	Dora Starke, M.A.	Lecturer.
	L. W. Tancock, Ph.D.	Lecturer.
	R. Niklaus, B.A., L.-ès-L.	Assistant.
Geography	C. B. Fawcett, B.Litt.,D.Sc....	Professor (Economic and Regional Geography).
	W. B. R. King, O.B.E., M.A. ..	Yates-Goldsmid Professor (Physical Geography).
	M. T. M. Ormsby, M.Inst.C.E.I.	Reader (Surveying).
	C. A. Hart, M.Sc.(Eng.), A.M.Inst.C.E.	Lecturer (Surveying).
	R. Ogilvie Buchanan, M.A., Ph.D., B.Sc.(Econ.).	Lecturer.
	R. E. Dickinson, M.A., Ph.D. ..	Lecturer.
	A. E. Smailes, B.A.	Assistant Lecturer.

† Fellow of the College.

Subject.	*Name.*	*Status.*
German	L. A. Willoughby, M.A., D.Lit., Ph.D.†	Professor.
	W. Perrett, B.A., Ph.D.	Reader.
	F. Norman, M.A.	Reader.
	K. W. Maurer, Ph.D.	Assistant Lecturer.
	A. B. Badger, M.A., Ph.D.	Assistant Lecturer.
Greek	M. T. Smiley, M.A.	Professor.
	L. Solomon, M.A.	Senior Lecturer.
	Elinor J. Vaughan, M.A.	Lecturer.
	F. J. Lockwood, M.A.	Lecturer.
Hebrew	(*Vacant.*)	Goldsmid Professor.
	E. Rosenthal, Ph.D.	Goldsmid Lecturer.
History ; English ..	J. E. Neale, M.A.†	Astor Professor.
	C. H. Williams, M.A.	Reader (Constitutional History).
	W. Adams, B.A.	Tutor to Students in the Evening School of History.
	M. A. Thomson, M.A., D.Phil ..	Lecturer.
	R. B. Wernham, B.A.	Lecturer.
	H. Beeley, B.A	Assistant Lecturers.
	J. H. Le Patourel, B.A.	Assistant Lecturers.
,, ; London ..	Eliza Jeffries Davis, M.A., F.S.A.†	Reader.
,, ; Modern French.	A. Alexandre, Ag. de l'Univ..	Reader.
,, ; American	H. Hale Bellot, M.A.†	Commonwealth Fund Professor.
	R. A. Humphreys, M.A., Ph.D..	Assistant Lecturer.
,, ; Ancient ..	M. Cary, M.A., D.Litt.	Reader.
	Olwen Brogan, M.A.	Assistant.
,, ; Byzantine	Norman H. Baynes, M.A., F.B.A., F.S.A.	Professor.
History and Method of Science.	A. Wolf, M.A., D.Lit.†	Professor of Logic & Scientific Method.
	D. McKie, B.Sc., Ph.D.	Lecturer.
	A. Armitage, M.Sc.	Assistant.
	Cecily M. G. Duthoit, B.A.	Assistant.
Italian	Edmund G. Gardner, M.A., Litt.D.. F.B.A.	Professor.
	Camillo Pellizzi, D.Lit., Dr. J.	Reader and Barlow Lecturer.
	Senator Antonio Cippico, Dr. J.	Hon. Lecturer.
	A. M. Bassani, Sc.D.	Lecturer.
Latin	H. E. Butler, M.A.	Professor.
	L. Solomon, M.A.	Senior Lecturer.
	Elinor J. Vaughan, M.A.	Lecturer.
	R. D. McLellan, B.A., Ph.D. ..	Lecturer
Librarianship	E. A. Baker, M.A., D.Lit., F.L.A.	Director and Lecturer.
	J. A. Wilks, M.A., F.L.A.	Assistant Director.
	Arundell Esdaile, M.A., F.L.A..	Lecturer (Bibliography).
	W. C. Berwick Sayers, F.L.A. .	Lecturer (Classification).
	B. M. Headicar, F.L.A.	Lecturer (Library Organisation).

† Fellow of the College.

Subject.	*Name.*	*Status.*
Librarianship (*cont.*).	W. E. Doubleday, F.L.A.	Lecturer (Library Routine).
	H. W. Acomb, M.A.	Lecturer (Cataloguing and Indexing).
	V. H. Galbraith, M.A.	Lecturer (Palæography and Archives).
	R. W. Chambers, M.A., D.Lit., F.B.A.†	Professor (Literary History).
Mathematics (Applied) and Mechanics.	L. N. G. Filon, C.B.E., M.A., D.Sc., F.R.S.†	Goldsmid Professor and Director of the Observatories.
	H.T.Davidge, B.Sc., M.Inst.E.E.	Senior Lecturer (Civil and Mech. Engineering).
	H. T. Jessop, M.Sc.	Senior Lecturer (Mechanics).
	C. C. L. Gregory, M.A., F.R.A.S.	Senior Lecturer (Astronomy) and Wilson Observer.
	A .C. Stevenson, M.Sc.	Lecturer.
	F. C. Harris, M.Sc.	Assistant.
	Elizabeth Williamson, F.R.A.S.	Assistant.
	L. A. Wigglesworth, B.Sc.	Assistant.
Mathematics	G. B. Jeffery, M.A., D.Sc., F.R.S.†	Astor Professor.
	T. L. Wren, M.A.....	Reader (Geometry).
	L. S. Bosanquet, M.A., D.Phil..	Lecturer.
	T. Estermann, D.Sc.....	Lecturer.
	Constance M. Rigby,M.A.,Ph.D.	Assistant Lecturer.
	J. W. Archbold, M.A.	Assistant Lecturer.
	H. Kestelman, M.Sc.	Assistant Lecturer.
	Ida W. Busbridge, M.Sc.	Demonstrators.
	F. Fereday, B.Sc.	Demonstrators.
	A. C. Offord, M.Sc., Ph.D.....	Demonstrators.
Philology ; Comparative.	F. W. Thomas, C.I.E., M.A., Ph.D., F.B.A.	Lecturer.
Philosophy	J. Macmurray, M.A.	Grote Professor (Philosophy of Mind and Logic).
	S. V. Keeling, M.A., D.-ès-L.	Senior Lecturer.
Phonetics	Daniel Jones, M.A.	Professor.
	W. Perrett, B.A., Ph.D.	Reader (German).
	Lilias E. Armstrong, B.A. ...	Senior Lecturer.
	J. R. Firth, M.A.	Senior Lecturer.
	Stephen Jones, B.Sc.	Supt. of Laboratory.
	A. Lloyd-James, M.A.	Hon. Lecturer.
	Hélène Coustenoble	Lecturer.
	Edith E. Quick, B.A.	Lecturer.
	Hyacinth M. Davies	Senior Assistant.
	Sophie Lund	Senior Assistant.
	Eileen M. Evans, B.A., ...	Assistant.
	A. Dorothy Parkinson	Assistant and Secretary to Phonetics Laboratory.
	E. Marguerite Chapallaz	Temporary Assistant.

† Fellow of the College.

Subject.	*Name.*	*Status.*
Political Economy ..	(*Vacant.*)	Professor.
	N. F. HALL, B.A., A.M.	Senior Lecturer.
	P. N. Rosenstein-Rodan, D.rer. Pol., B. Comm.	Special Lecturer.
	H. T. N. GAITSKELL, B.A	Lecturer and Tutor to Higher Civil Service Students.
	H. Barger, B.A.....	Assistant Lecturer.
	Doreen Warriner, B.A., Ph.D...	Assistant Lecturer.
	P. H. Asher, B.Sc.(Econ.)	Assistant.
Psychology	CYRIL BURT, M.A., D.Sc.....	Professor.
	J. C. FLUGEL, B.A., D.Sc.	Assistant Professor.
	S. J. F. Philpott, M.C., D.Sc. ..	Lecturer.
	R. J. Lythgoe, M.A., M.D., D.Sc.	Lecturer.
	Pryns Hopkins, M.A., Ph.D. ..	Hon. Lecturer.
	W. Stephenson, M.Sc., Ph.D....	Research Assistants.
	Susan S. Isaacs, M.A., D.Sc.....	
Scandinavian Studies	(*Vacant.*)	Director.
	J. H. HELWEG, cand. mag.	Queen Alexandra Lecturer (Danish).
	I. C. GRÖNDAHL, cand. mag. ..	W. P. Ker Lecturer (Norwegian).
	E. Mesterton, fil. mag.	Crown Princess Louise Lecturer (Swedish).
Semitic (North) Epigraphy.	E. ROSENTHAL, Ph.D.	Lecturer.
Tibetan	F. W. Thomas, C.I.E., M.A., Ph.D., F.B.A.	Reader.

Town Planning (see Architecture).

Faculty of Laws.

Dean.—Professor Sir MAURICE SHELDON AMOS.

Vice-Dean.—Dr. G. W. KEETON.

Sub-Dean.—Professor H. F. JOLOWICZ.

Comparative Law ..	Sir MAURICE SHELDON AMOS, K.B.E., M.A., K.C.	Quain Professor.
Constitutional Law .	J. H. MORGAN, M.A., K.C., D.L.	Professor.
English History	J. E. NEALE, M.A.	Astor Professor.
English Law	G. W. KEETON, M.A., LL.D. ..	Reader.
Indian Law	S. G. VESEY FITZGERALD, M.A.	Lecturer.
Jurisprudence	(*Vacant*)	Professor.
	H. F. JOLOWICZ, M.A., LL.D...	Lecturer and Acting Head of the Department.
Roman Dutch Law .	GILBERT DOLD, M.A., LL.B., B.C.L.	Lecturer.
Roman Law	H. F. JOLOWICZ, M.A., LL.M. ..	Professor
Tutorial work	A. S. GILBERT, LL.M.	Assistant.
	J. T. MOLONY, M.A., LL.M.....	Assistant.

Note—During the Session 1933–34, Mr. S. G. Vesey FitzGerald, M.A., will undertake the teaching of The Law of Palestine and Iraq.

Faculty of Science.

Dean.—Professor T. G. Hill.
Vice-Dean.—Dr. O. L. Brady.
Sub-Dean.—D. O. Wood.

Subject.	*Name.*	*Status.*
Anthropology	W. J. Perry, M.A., D.Sc.	Reader (Cultural Anthropology).
	L.W.G.Malcolm, M.Sc.,F.R.S.E.	Hon. Lecturer.
Botany	T. G. Hill, D.Sc., A.R.C.S. ...	Professor of Plant Physiology and Director of Laboratories.
	E. J. Salisbury, D.Sc., F.R.S.†	Quain Professor.
	Paul Haas, Ph.D., D.Sc.†	Reader (Plant Chemistry).
	E. M. Cutting, M.A.	Senior Lecturer.
	Barbara Russell - Wells, B.Sc., Ph.D.	Lecturer.
	F. W. Jane, B.Sc., Ph.D.....	Lecturer.
	C. Leighton Hare, B.Sc.....	Assistant Lecturer.
	Ruby E. Dowling, B.Sc.	Quain Student.
Chemistry	F. G. Donnan, C.B.E., M.A., LL.D., Ph.D, D.Sc., F.R.S. .	Professor and Director of Laboratories.
	C. K. Ingold, D.Sc., F.R.S. ..	Professor.
	J. Norman Collie, Ph.D., LL.D., D.Sc., F.R.S.‡	Emeritus Professor and Hon. Lecturer.
	Oscar L. Brady, D.Sc.	Reader (Organic).
	B. Topley, M.A.	Reader (Physical Chemistry.)
	H. J. Evans, B.Sc.	Senior Lecturer to Medical Students.
	H. Terrey, B.Sc.	Senior Lecturer.
	C. R. Bailey, B.A., M.Sc.....	Senior Lecturer.
	Francis W. Goodbody, M.D., M.R.C.P.	Hon. Lecturer (Medical).
	F. A. Freeth, O.B.E., Ph.D., D.Sc., F.R.S.	Hon. Lecturer.
	R. W. Lunt, M.Sc., Ph.D.	Hon. Lecturer.
	L. F. Gilbert, B.Sc.	Lecturer.
	J. N. E. Day, M.Sc.	Lecturer.
	R. J. W. Le Fèvre M.Sc., Ph.D.	Lecturer.
	O. J. Walker, B.Sc., Ph.D.	Lecturer.
	C. F. Goodeve, M.Sc.	Lecturer.
	W. R. Angus, B.Sc., Ph.D.	Assistant Lecturers.
	G. S. Hartley, M.Sc.	Assistant Lecturers.
	C. L. Wilson, Ph.D.	Assistant Lecturers.
	N. K. Adam, M.A., Sc.D.	Hon. Research Associates.
	H. G. de Laszlo, M.A., Ph.D. ..	Hon. Research Associates.
	C. Robinson, Ph.D.....	Hon. Research Associates.
	A. B. D. Cassie, Ph.D.	Assistant.
	E. D. Hughes, M.Sc., Ph.D. ...	Hon. Research Assistant.

† Fellow of the College.
‡ Hon. Fellow of the College.

Subject.	*Name.*	*Status.*
Chemical Engineering.	W. E. Gibbs, D.Sc.*	Ramsay Professor.
	J. P. Mullen, M.Eng.	Lecturer.
	M. B. Donald, M.Sc., A.R.C.S.	Lecturer.
	A. J. V. Underwood, D.Sc.	Hon. Lecturer.
	H. W. Richards, B.Sc.	Hon. Assistant.
	H. W. Thorp, B.Sc.	Demonstrator.
Eugenics.	R. A. Fisher, M.A., Sc.D., F.R.S.	Galton Professor.
	Julia Bell, M.A., M.R.C.P., M.R.C.S.	Hon. Galton Research Fellow.
	G. M. Morant, D.Sc.	Lecturer.
	M. Noel Karn, M.A.	Research Assistant.
Geology, Physical Geography, and Mineralogy.	W. B. R. King, O.B.E., M.A. ..	Yates-Goldsmid Professor.
	L. J. Chubb, M.Sc.	Lecturer.
	Edith Goodyear, B.Sc.	Hon. Lecturer.
	M. MacGregor, M.Sc., Ph.D....	Demonstrator.
	J. F. Kirkaldy, M.Sc.	Demonstrator.
History and Method of Science.	A. Wolf, M.A., D.Lit.†	Professor (Logic and Scientific Method).
	D. McKie, B.Sc., Ph.D.....	Lecturer.
	A. Armitage, M.Sc.	Assistant.
	Cecily M. G. Duthoit, B.A.	Assistant.
Physics	E. N. da C. Andrade, D.Sc., Ph.D.†	Quain Professor and Director of Laboratories.
	D. O. Wood, M.Sc.	Senior Lecturer and Deputy Director of Laboratories.
	L. F. Bates, D.Sc., Ph.D.	Reader.
	N. Eumorfopoulos, B.Sc.† ...	Hon. Research Assistant.
	R. E. Gibbs, D.Sc.	Lecturer.
	F. C. Chalklin, B.Sc., Ph.D. ...	Lecturer.
	G. B. Brown, M.Sc., Ph.D. ...	Lecturer.
	R. C. Brown, B.Sc.	Lecturer.
	N. L. Yates Fish, M.A., D.Phil.	Assistant Lecturer.
	E. B. Pearson, B.Sc.....	Assistant Lecturer.
Physiology and Biochemistry.	C. Lovatt Evans, D.Sc., F.R.C.P., F.R.S.†	Jodrell Professor and Director of Laboratories.
	J. C. Drummond, D.Sc.	Professor (Bio-Chemistry).
	A. V. Hill, O.B.E., M.A., LL.D. Sc.D., F.R.S.	Foulerton Professor ** and University Professor.
	W. H. Newton, M.B., Ch.B., M.Sc.	Senior Lecturer.
	Phyllis M. Tookey Kerridge, M.Sc., Ph.D.	Lecturer.
	G. Stella, M.D.	Lecturer.
	H. Barcroft M.A., B.Ch.	Lecturer.
	R. A. Kekwick, B.Sc.	Lecturer.
	C. Reid, M.A., M.D., D.Sc., D.P.H.	Lecturer.

* Died on 18th January, 1934.
** Appointed by the Royal Society.
† Fellow of the College.

Subject.	*Name.*	*Status.*
Physiology and Biochemistry (*cont.*).	Sir Stewart Duke-Elder, M.A., M.D., D.Sc., Ph.D., F.R.C.S.	Hon. Research Associates.
	R. J. Lythgoe, M.A., M.D., D.Sc.	
	E. W. Fish, M.D., D.Sc., L.D.S.	
	W. A. H. Rushton, M.A., Ph.D.	
	R. J. Macwalter, B.Sc., Ph.D...	Assistant Lecturer.
	E. G. Murphy, B.Sc.....	Sharpey Scholar.
	E. B. Robertson, B.Sc., Ph.D...	Assistant.
	Katharine Tansley, B.Sc., Ph.D.	Hon. Assistant.
	E. G. White, B.Sc., M.R.C.V.S.	Hon. Assistant.
	F. G. Young, B.Sc., Ph.D.....	Hon. Assistant.
	C. H. Gray, B.Sc.	Demonstrator.
	E. R. Smith, B.Sc.	Demonstrator.
	L. Young, B.Sc.	Demonstrator.
Statistics	E. S. Pearson, M.A., D.Sc. † ..	Reader.
	Ethel M. Elderton, D.Sc. †..	Reader (Social Statistics).
	E. C. Fieller, M.A.	Lecturer.
	M. S. Bartlett, B.A., B.Sc.	Assistant Lecturer.
Zoology and Comparative Anatomy.	D. M. S. Watson, D.Sc., F.R.S.	Jodrell Professor.
	J. B. S. Haldane, M.A., F.R.S.	Professor (Genetics).
	Elizabeth Fraser, D.Sc. † ...	Reader.
	E. S. Russell, O.B.E., M.A., D.Sc.	Hon. Lecturer.
	G. P. Wells, M.A.	Lecturer.
	Margaret C. Steen, B.Sc., Ph.D..	Assistant Lecturer.
	N. H. Howes, M.Sc.	Assistant Lecturer.
	M. J. D. White, M.Sc.	Assistant Lecturer.
	Joyce Townend	Research Assistant and Secretary to the Department.
	Rachel M. Renton.....	Aquarium Assistant.

[The Professors of Anatomy, Archæology, Economic Geography, Embryology, Mathematics, Applied Mathematics and Mechanics, Pharmacology, Psychology, and Political Economy, Dr. Bosanquet, Mr. Davidge, Dr. Flugel, Mr. Gregory, Mr. Jessop, Dr. Kirk, and Mr. Wren, are also Members of this Faculty.]

Faculty of Engineering.

Dean.—Professor E. G. Coker.

Vice-Dean.—Professor W. C. Clinton.

Sub-Dean.—H. T. Davidge.

Subject.	*Name.*	*Status.*
Engineering; Civil and Mechanical.	E. G. Coker, M.A., D.Sc., F.R.S., M.Inst.C.E.	Kennedy Professor and Director of Engineering Laboratories.
	M. T. M. Ormsby, M.Inst.C.E.I.	Reader (Surveying).
	B. J. Lloyd-Evans, M.Sc., M.I.Mech.E.	Assistant Professor.
	H. J. Collins, M.Sc., A.M.Inst.C.E.	Assistant Professor (Civil and Municipal).

† Fellow of the College.

Subject.	*Name.*	*Status.*
Engineering; Civil and Mechanical (*cont.*).	H. T. Davidge, B.Sc., M.Inst.E.E.	Senior Lecturer.
	A. E. Webb, B.Sc., A.M.Inst.C.E.	Senior Lecturer.
	A. C. Cookson, M.Inst.C.E. ...	Lecturer (Railway Engineering).
	Brysson Cunningham, D.Sc., B.E., M.Inst.C.E., F.R.S.E.	Lecturer (Waterways, Harbours, & Docks).
	P. L. Capper, M.Sc., A.M.Inst.C.E.	Lecturer.
	D. Cameron, A.M.I.Mech.E....	Senior Assistant.
	S. S. Watts, B.Sc.	Senior Assistant.
Engineering; Electrical.	W. C. Clinton, B.Sc., M.Inst.E.E.†	Pender Professor.
	H. E. Monteagle Barlow, B.Sc., Ph.D., A.M.I.E.E., A.M.I.Mech.E.	Senior Lecturer (Electro-Communications).
	C. W. Bayliss, M.A., A.M.I.E.E.	Lecturer (Electrical Machinery).
	J. Greig, M.Sc.(Eng.)	Assistant Lecturer.
Municipal Engineering and Hygiene.	M. T. M. Ormsby, M.Inst.C.E.I.	Edwin Chadwick Professor.
	H. J. Collins, M.Sc., A.M.Inst.C.E.	Assistant Professor (Civil and Municipal).
	M. E. Delafield, B.A., M.B., L.R.C.P., D.P.H.	Special Lecturer (Hygiene).
	C. A. Hart, M.Sc.(Eng.), A.M.I.Struct.E., A.M.Inst.C.E.	Lecturer.

[The Professors of Architecture, Chemistry (Prof. Donnan), Chemical Engineering, Geology, Mathematics, Applied Mathematics and Mechanics, Physics, and Town Planning, together with Dr. W. R. Angus, Dr. F. C. Chalklin, Mr. D. O. Wood, and Mr. T. L. Wren, are also Members of this Faculty.]

Faculty of Medical Sciences.

Dean.—Professor E. B. Verney.

Vice-Dean.—Professor J. P. Hill.

Sub-Dean.—J. Kirk.

Subject.	*Name.*	*Status.*
Anatomy and Embryology.	G. Elliot Smith, M.A., Litt.D., M.D., D.Sc., Ch.M., F.R.C.P., F.R.S.	Professor (Anatomy).
	J. P. Hill, D.Sc., F.R.S.....	Professor (Embryology).
	H. A. Harris, M.D., D.Sc., M.R.C.P., M.R.C.S.†	Professor (Clinical Anatomy) and Curator of the Museum.
	W. J. Perry, M.A., D.Sc.	Reader (Cultural Anthropology).
	J. Kirk, M.B., Ch.B., F.R.C.S.E.	Senior Demonstrator.
	A. Durward, M.D.	Senior Demonstrator.
	Matthew Young, M.D., D.Sc. ..	Lecturer.

† Fellow of the College.

Subject.	*Name.*	*Status.*
Anatomy and Embryology (*cont.*).	R. W. A. Salmond, O.B.E., M.D., Ch.M., D.P.H.	Hon. Lecturers (Radiology).
	Major C. E. S. Phillips, O.B.E., F.R.S.E.	
	R. J. Ludford, D.Sc., Ph.D. ...	Hon. Lecturer (Cytology).
	A. M. Hocart, M.A.	Hon. Lecturer (Ethnology).
	L. W. G. Malcolm, M.Sc. F.R.S.E.	Hon. Lecturer (Anthropology).
	Una Fielding, M.B., Ch.M.	Demonstrator and Lecturer in Neurology.
	Catherine J. Hill, B.Sc., Ph.D...	Senior Assistant (Embryology and Histology).
	A. C. McMaster, M.B., Ch.B., F.R.C.S.E.	Demonstrator.
	C. W. Flemming, M.A., B.M., M.Ch., F.R.C.S.	Demonstrator.
	E. C. Amoroso, M.B., B.S.	Demonstrator.
	E. Wolff, M.B., B.S., F.R.C.S. .	Hon. Demonstrators.
	Alfreda H. Baker, M.D.,F.R.C.S.	
	K. L. James, M.B.,B.S.,F.R.C.S.	
	Enid H. Rockstro, M.B., B.S., F.R.C.S.	
	C. J. L. Thurgar, M.B., B.S., F.R.C.S.	
	G. S. Sansom, D.Sc.†	Hon. Research Assistants.
	J. T. Carter, F.Z.S.†	
	A. Subba Rau, B.A., D.Sc.	
	K. C. Richardson, M.Sc.	
	Doris Dingwall, M.A., B.Sc. ...	Hon. Assistant.
	Frances M. Collinson	Artist.
	(*Vacant.*)	Percy F. Macgregor Scholar.
Botany	T. G. Hill, D.Sc., A.R.C.S. ...	Professor (Plant Physiology) and Director of Laboratories.
	E. J. Salisbury, D.Sc., F.R.S.†	Quain Professor.
	E. M. Cutting, M.A.	Senior Lecturer.
Chemistry	F. G. Donnan, C.B.E., M.A., LL.D., Ph.D., D.Sc., F.R.S.	Professor and Director of Laboratories.
	C. K. Ingold, D.Sc., F.R.S. ..	Professor.
	J. Norman Collie, LL.D., Ph.D., D.Sc., F.R.S.‡	Emeritus Professor and Hon. Lecturer.
	H. J. Evans, B.Sc.	Senior Lecturer in Chemistry to Medical Students.
	F. W. Goodbody, M.D., M.R.C.P.	Hon. Lecturer (Medical Chemistry).
Medicine, History of.	C. Singer, M.D., D.Litt., F.R.C.P.	Professor.
	J. S. Prendergast, B.A., B.Sc., M.B., Ch.B.	Hon. Research Assistants.
	W. R. Dawson, F.R.S.E.	
	Sybil D. Wingate, B.A., Ph.D.	

† Fellow of the College.
‡ Hon. Fellow of the College.

Subject.	*Name.*	*Status.*
Pharmacology	E. B. Verney, M.A., M.B., B.Ch., F.R.C.P., M.R.C.S.	Professor.
	H. R. Ing, M.A., D.Phil.	Lecturer (Pharmacological Chemistry).
	Lilian M. Pickford, M.Sc.	Assistant.
	G. W. Theobald, B.A., M.D., M.R.C.P., F.R.C.S.E.	Demonstrator.
	Ruth Conway Verney, M.D., M.R.C.P.	Hon. Research Assistants.
	S. L. Cowan, B.Sc.	Hon. Research Assistants.
Physics	E. N. da C. Andrade, D.Sc., Ph.D.†	Quain Professor and Director of Laboratories.
	D. O. Wood, M.Sc.	Senior Lecturer and Deputy Director of Laboratories.
	R. C. Brown, B.Sc.	Lecturer.
Physiology and Biochemistry.	C. Lovatt Evans, D.Sc., F.R.C.P., F.R.S.†	Jodrell Professor and Director of Laboratories.
	J. C. Drummond, D.Sc.	Professor (Biochemistry).
	A. V. Hill, O.B.E., M.A., LL.D., Sc.D., F.R.S.	Foulerton Professor* and University Professor.
	W. H. Newton, M.B., Ch.B., M.Sc.	Senior Lecturer.
	Phyllis M. Tookey Kerridge, M.Sc., Ph.D.	Lecturer.
	G. Stella, M.D.	Lecturer.
	H. Barcroft, M.A., B.Ch.....	Lecturer.
	R. A. Kekwick, B.Sc.	Lecturer.
	C. Reid, M.A., M.D., D.Sc., D.P.H.	Lecturer.
	Sir Stewart Duke-Elder, M.A., M.D., D.Sc., Ph.D., F.R.C.S.	Hon. Research Associates.
	R. J. Lythgoe, M.A., M.D., D.Sc.	Hon. Research Associates.
	E. W. Fish, M.D., D.Sc., L.D.S.	Hon. Research Associates.
	W. A. H. Rushton, M.A., Ph.D.	Hon. Research Associates.
	R. J. Macwalter, B.Sc., Ph.D. .	Assistant Lecturer.
	E. G. Murphy, B.Sc.....	Sharpey Scholar.
	E. B. Robertson, B.Sc., Ph.D...	Assistant.
	Katharine Tansley, B.Sc., Ph.D.	Hon. Assistant.
	E. G. White, B.Sc., M.R.C.V.S..	Hon. Assistant.
	F. G. Young, B.Sc., Ph.D.	Hon. Assistant.
	C. H. Gray, B.Sc.	Demonstrator.
	E. R. Smith, B.Sc.	Demonstrator.
	L. Young, B.Sc.	Demonstrator.
Zoology and Comparative Anatomy.	D. M. S. Watson, D.Sc., F.R.S.	Jodrell Professor.
	J. B. S. Haldane, M.A., F.R.S...	Professor (Genetics).
	Elizabeth A. Fraser, D.Sc.†	Reader.
	E. S. Russell, O.B.E., M.A., D.Sc.	Hon. Lecturer.
	G. P. Wells, M.A.	Lecturer.
	Margaret C. Steen, B.Sc., Ph.D..	Assistant Lecturer.

* Appointed by the Royal Society.
† Fellow of the College.

Subject.	*Name.*	*Status.*
Zoology and Comparative Anatomy (*cont.*).	N. H. Howes, M.Sc.	Assistant Lecturer.
	M. J. D. White, M.Sc.	Assistant Lecturer.
	Joyce Townend	Research Assistant and Secretary to the Department.
	Rachel M. Renton	Aquarium Assistant.

[The Professor of Psychology is also a member of this Faculty.]

PROFESSORES EMERITI.

Sir Thomas Barlow, Bt., K.C.V.O., M.D., D.Sc., F.R.C.P., F.R.S.	Clinical Medicine	1911
Frederick Brown	Fine Art	1918
Sir John Rose Bradford, Bt., K.C.M.G., C.B., C.B.E., M.D., LL.D., D.Sc., Past-Pres.R.C.P., F.R.S.†	Medicine	1925
H. R. Kenwood, C.M.G., M.B., B.S., D.P.H., F.R.S.E.	Hygiene and Public Health...	1925
A. F. Murison, M.A., LL.D., K.C.	Roman Law	1925
Herbert R. Spencer, M.D., B.S., F.R.C.P., M.R.C.S.	Obstetric Medicine	1926
Sir J. Ambrose Fleming, M.A., D.Sc., D.Eng., F.R.S.†	Electrical Engineering	1926
Percy Flemming, M.D., F.R.C.S.†.....	Ophthalmic Medicine and Surgery.	1927
F. C. Montague, M.A.†	Mediæval and Modern History.	1928
H. S. Foxwell, M.A., F.B.A.....	Political Economy	1928
J. Norman Collie, Ph.D., LL.D., D.Sc., F.R.S.‡	Organic Chemistry	1928
G. Dawes Hicks, M.A., Litt.D., Ph.D., F.B.A.	Philosophy	1928
L W. Lyde, M.A.	Economic Geography	1928
Alfred W. Porter, D.Sc., F.R.S.†	Physics	1928
E. A. Gardner, Litt.D.‡	Archæology	1929
F. W. Oliver, M.A., D.Sc., F.R.S.†....	Botany	1929
Henry Tonks, F.R.C.S.‡	Fine Art	1930
E. J. Garwood, M.A., Sc.D., F.R.S. ..	Geology.....	1931
R. Priebsch, Ph.D.	German	1931
C. Spearman, Ph.D., LL.D., F.R.S. ...	Psychology	1931
Karl Pearson, M.A., LL.D., F.R.S.....	Eugenics	1933
Sir W. M. Flinders Petrie, D.C.L., LL.D., D.Sc., F.B.A., F.R.S.	Egyptology	1933

† Fellow of the College.
‡ Hon. Fellow of the College.

REPRESENTATIVES.

The following have been appointed, or re-appointed, representatives of the College on the various bodies, or at the Celebrations, named :—

By the College Committee :—

Sir Andrew T. Taylor	Senate.
The Provost (Dr. Allen Mawer).	Committee of Management of Ealing Hall Association, Ltd.
Dr. F. W. Goodbody	
Professor G. B. Jeffery	
The Provost (Dr. Allen Mawer).	Architectural Education Committee.
Sir Andrew Taylor.....	
Dr. J. Kirk	London Intercollegiate Scholarships Board.
Mr. L. Solomon	
Mr. D. O. Wood.....	
The Provost (Dr. Allen Mawer).	(i.) Council of College Hall. (ii.) Celebration of the 350th Anniversary of the Foundation of the University of Edinburgh, October, 1933.
Mr. Walter Adams.....	Council of the Mary Ward Settlement.
Professor C. J. Sisson	Journalism Committee.
Professor G. Elliot Smith	International Congress of Anthropological and Ethnological Sciences, July, 1934.

By the Senate :—

Professor H. E. Butler	Governing Bodies of Borough Road Training College and St. Mark and St. John Training College.
Professor G. B. Jeffery.....	
Professor H. E. Butler	Governing Body of Westminster Training College.
Professor Sir Percy Nunn.....	
Professor H. E. Butler	Governing Body of St. Mary's Training College.
Professor D. M. S. Watson.....	
Professor J. T. MacGregor-Morris.	Governing Body of King Edward VI. School, Chelmsford.
Mr. E. L. Tanner	Central Council of Federated Superannuation System.

Professor H. F. Jolowicz represented the University at the International Conference of Experts in Roman Law held at Bologna and Rome in April, 1933 ; Professor Daniel Jones, at the Third International Congress of Linguists held at Rome in September, 1933. Professor C. B. Fawcett has been appointed representative of the University at the International Congress of Geography to be held at Warsaw in the Autumn of 1934.

THE COLLEGE COMMITTEE.

The College Committee have suffered a severe loss by the death, on 14th June, 1933, of Sir Ernest William Moir, Bt., Fellow of the College, who had been a member of the Committee since 1918. Though prevented in recent years, first by pressure of business and later by ill-health, from attending many meetings, he continued

to show a lively interest in the welfare of the College, and more especially of the Faculty of Engineering. The Professorial Board at their meeting on 28th June, 1933, and the College Committee at their meeting on 4th July, associated themselves with the following Resolution that had been passed by the College Faculty of Engineering on 21st June :—

> That the members of the Faculty of Engineering of University College desire to express their sense of the great loss which the engineering profession has sustained by the death of Sir Ernest William Moir, Bt., whose achievements in engineering construction will always remain as his great memorial. As a Fellow of the College and a Member of the College Committee his advice and help were always at the service of the College. His devotion to the Faculty of Engineering, of which he was a former student, was manifested in innumerable ways, and especially by his personal supervision of the construction of the new Engineering Wing of University College.

Mr. G. I. H. Lloyd, Director of the Trades and Economic Division of the Department of Overseas Trade, has been appointed a member of the Committee.

Dr. G. W. Keeton has succeeded Professor Jolowicz as one of the representatives of the Professorial Board.

College Regulation No. 4, relating to the representatives of the Professorial Board on the College Committee, has been amended by the replacement of the words " there shall be at least one who was not a member of the College Committee during the year last past " by the following :—" No representative of the Professorial Board on the College Committee (other than the Provost) shall serve on the College Committee for more than three consecutive years."

STUDENTS AND FEES.

Session 1932–33.

The number of Students, other than Evening and Vacation Students, who registered during the Session 1932–33 was 2733, being an increase of 28 on the figure for the preceding Session. There were 496 Postgraduate and Research Students, as compared with 465 in the previous Session. The number of Evening Students was 297, being a decrease of 19. Vacation Courses were attended by 150 persons (of whom 96 were not regular students of the College) compared with 54 in the previous Session. Adding these figures together, the total number of registered Students is 3126, which is an increase of 88 on the previous year. The increase in the figure for Vacation Courses is due to the fact that there were Phonetics

Courses, attended by 94 persons (of whom 91 were not regular Students of the College) in the Long Vacation of 1933 whereas there were no such courses in the preceding year. The decline of numbers in the Evening Schools is the continued result of the decision of the London County Council to substitute for the award of free places a system of grants to individual students.

The following table, with figures for the previous Session given in brackets, shows the distribution of the Students and the rise or fall in numbers. In addition to the increase (31) in Postgraduate and Research Students already mentioned, a notable rise (30) in the Faculty of Medical Sciences will be observed.

	Men.	Women.	Total.
I. Faculty of Arts.			
(*a*) General	377 [364]	436 [432]	813 [796]
(*b*) Department of Fine Arts	64 [74]	189 [225]	253 [299]
(*c*) School of Architecture	112 [100]	28 [29]	140 [129]
(*d*) School of Librarianship	54 [65]	74 [81]	128 [146]
(*e*) School of Journalism	12 [15]	18 [26]	30 [41]
II. Faculty of Science	290 [281]	134 [127]	424 [408]
III. Faculty of Medical Sciences	179 [151]	51 [49]	230 [200]
IV. Faculty of Engineering	135 [126]	3 [6]	138 [132]
V. Faculty of Laws	69 [76]	12 [13]	81 [89]
VI. Post-Graduate and Research	393 [341]	103 [124]	496 [465]
Total	1685 [1593]	1048 [1112]	2733 [2705]
VII. Evening:			
Arts	133 [155]	164 [161]	297 [316]
VIII. Vacation:			
(*a*) Anatomy and Physiology	40 [42]	16 [12]	56* [54]
(*b*) Librarianship	— [—]	— [—]	[—] [—]
(*c*) Phonetics	37 [—]	57 [—]	94** [—]
Total	1895 [1790]	1285 [1285]	3180 (3075]
Less numbers appearing in two categories	38 [28]	16 [9]	54 [37]
	1857 [1762]	1269 [1276]	3126 [3038]
IX. Students of other Colleges who attended Inter-collegiate Lectures	255 [288]	174 [129]	429 [417]
Grand Total	2112 [2050]	1443 [1405]	3555 [3455]

* Figure includes 3 students (2 men and 1 woman) also included under II. Faculty of Science, 47 Students (35 men and 12 women) also included under III. Faculty of Medical Sciences, and 1 student (man) also included under IV. Faculty of Engineering.

** Figure includes 2 students (women) also included under I. Faculty of Arts, and 1 student (woman) also included under VII. Evening Students.

There were 1702 [1629] Students working for Degrees and 590 [664] for Diplomas.

The geographical districts from which the Students came are given in Appendix II. (see p. 92).

The total fees available for the Session 1932–33 amounted to £76,590 18*s.* 6*d.*, an increase of £387 13*s.* 8*d.* as compared with the previous Session.

The Current Session (1933–34).

The number of Students who have completed their registration and paid fees up to January 31st, 1934, is 3000, as compared with 2862 at the corresponding date in 1933.

The fee revenue (including fees of London County Council and Board of Education Students) to January 31st, 1934, amounts to £69,332, showing an increase of £2,426 as compared with the corresponding date in 1933.

FINANCE.

GENERAL FINANCES.

Financial Year 1932–33.

The Accounts for the year ended 31st July, 1933, are appended to this Report (Appendix III., pp. 95–105).

It has been decided to omit the Trust Funds Income and Expenditure Account and Balance Sheet. The former contains a mass of detail, but the total amount appropriated from the Trust Funds income to meet expenditure, which is the most important figure, appears in the College Establishment Income and Expenditure Account. Any surpluses not so used are held for the credit of the individual funds and either kept as cash or invested. The Trust Funds Balance Sheet total appears in the College General Balance Sheet. The exclusion of the detailed accounts will, it is anticipated, simplify the presentation without the omission of any essential information.

The Pension Fund Balance Sheet has also been omitted. This deals with the old College Pension Scheme and is of very limited interest, there being now only five beneficiaries remaining.

College Establishment Income and Expenditure Account.

Income.—The ordinary income amounted to £230,393 19*s.* 6*d.* as compared with £225,665 13*s.* 11*d.*, an increase of £4,728 5*s.* 7*d.* The increase was mainly due to an increase in Fee Income (£2,617) and increased appropriation from Trust Funds (£2,281) and Special Funds (£1,263). On the other hand, there was a decrease in Other Income (£1,104) due to the disappearance of interest on securities sold to purchase Upper Gower Mews, and the decrease in the rate of deposit interest.

Expenditure.—The ordinary expenditure amounted to £224,582 17*s.* 9*d.* as compared with £215,262 17*s.* 3*d.* in 1931–32, an increase of £9,320 0*s.* 6*d.* This is mainly due to an increase under Departmental Maintenance, which includes Salaries of Teaching Staff (£6,960) and Maintenance of Premises (£1,530). The former arises from the opening of the new Zoology building, the additional provision necessitated by the increased fee income, and improvements in salaries met from the Salaries Fund; the latter is consequent on the additional territory now requiring maintenance.

The excess of ordinary income over ordinary expenditure for the session 1932–33 was therefore £5,811 1*s.* 9*d.* After providing out of this £584 for the Pension Reserve Fund and taking into account extraordinary income not covered by corresponding expenditure, the College was able to add £5,295 11*s.* 10*d.* to the Accommodation Fund, which is being used to meet capital expenditure required for accommodation, leaving the balance brought forward from 1931–32 (£3,139 9*s.* 8*d.*) to be carried forward to 1933–34 intact.

General Balance Sheet.

There have been no outstanding alterations in the Balance Sheet. The expenditure on the new Zoology building does not yet appear under a separate heading as it it is included under the head "Works in Progress" until the capital account is closed.

The Trust Fund Balance Sheet total has increased by £6,493 12*s.* 7*d.*, principally by reason of the sum of £3,500 collected by Mr. Gustave Tuck as an addition to the Mocatta Library and Museum Endowment, and by the investment of surplus dividends amounting to £2,529 1*s.* 11*d.*

GRANTS AND LOANS TO STUDENTS.

During the Session 1932–33 the following Grants were made :—

	£	*s.*	*d.*
Loans from the Madeleine Cole Loan Fund	20	0	0
,, ,, M. J. M. Hill Loan Fund	50	0	0
,, ,, College Loan Fund	202	15	6
Special Fund (Mrs. Wharrie)	25	0	0
Bursaries, including Morris Bursary of £20	375	9	7
Exhibition Bursaries	412	11	11
Special Fee Remissions	276	5	9
	£1,362	2	9

At the time when these Grants were made, the amount available was not sufficient to meet all the applications that were received.

The list of new donations to the Fund is given in Appendix IV.

Bursaries are gifts towards maintenance ; Exhibition Bursaries are gifts towards fees. These awards are for the most part made to Entrance Scholars whose circumstances are such as to make supplemental aid necessary.

Loans are made on the following terms :—

(*a*) Loans during a Student's career in the College shall not carry interest.

(*b*) After the end of a Student's career in the College the loans shall carry interest at the rate of 5 %, except in respect of the W. W. Rouse Ball Loan Fund, which is free of interest.

(*c*) Loans shall be repaid within three years from the completion of a Student's College career, unless, on the special application of the Student concerned, an extension of time is granted.

(*d*) Students to whom loans are granted will sign a document accepting these conditions, and in the case of students under age their parents or guardians will countersign the same undertaking.

It has been possible, up to the issue of this Report, to make the following grants for the Session 1933–34 :—

	£	*s.*	*d.*
Loans	185	0	0
Bursaries	391	10	0*
Exhibition Bursaries	285	0	0
Special Remission to Third Year Students	207	10	0
	£1,069	0	0

Loans were repaid during the Session 1932–33 as follows :—

	£	*s.*	*d.*
To the College Loan Fund	171	15	0
,, W. W. Rouse Ball Loan Fund	99	10	0
,, M. J. M. Hill Loan Fund	30	0	0
,, Madeleine Cole Loan Fund	13	0	0

The Students' Loan and Bursary Fund is administered by a Committee consisting of the Provost, the Deans, the Tutor to Women Students, and the Sub-Deans.

This Committee deals with each case on its merits and after careful investigation.

The fund is of great value, and enables many Students to obtain the training they desire and deserve. At the same time it is not at present large enough to enable the Committee to meet the needs of all deserving cases.

Friends of the College are specially invited to support it.

* Including Morris, War Memorial, and Postgraduate Bursaries.

THE CRABB ROBINSON FUND.

During the financial year 1932–33, the following grants were made from the Income of the Crabb Robinson Fund :—

The Union Society—towards upkeep of the Athletic Ground, £75 ; towards cost of a new boat for the Rowing Club, £10 ; cleaning of Racquet Court, £6 10*s*. *The Women's Union Society*—towards the Athletic Ground, £75. *University College Hall*—towards the Library, £10. *College Hall*—towards the Library, £5. *Winifred Smith Memorial Cottage Maintenance Fund*, £10.

The following grants have already been made during the current year, being chargeable against the income of 1933–34 :—

The Union Society—towards the upkeep of the Athletic Ground, £75 ; cleaning of the Racquet Court, £6 10*s*. ; towards cost of a new boat for the Rowing Club, £10. *The Women's Union Society*—towards the upkeep of the Athletic Ground, £75, *University College Hall*—towards the Library, £10 ; towards improvement of Library Accommodation, £40. *College Hall*—towards the Library, £5. *Winifred Smith Memorial Cottage Maintenance Fund*, £10.

THE PEEL FUND.

The income of the Peel Fund was expended in grants for the purchase of books etc. made to the following Institutions :—

Kingsley Hall, Powis Road, E. : The Mary Ward Settlement, Tavistock Place, W.C. ; The National Association of Boys' Clubs ; The Paddington and Marylebone District Nursing Association ; The Mechanics' Institute, Bradford ; The Merthyr Tydfil Settlement, £6 each.

BENEFACTIONS AND DONATIONS.

The College Committee make grateful acknowledgment of the following gifts :—

In respect of the Session 1932–33 : the sum subscribed annually by the Royal Italian Government through His Excellency the Italian Ambassador for the Department of Italian (£300) ; the sum received from the Trustees of the late Viscount Leverhulme for the Leverhulme Studentships in Chemical Engineering (£500) ; the grant from the Chadwick Trustees for the Department of Municipal Engineering and Hygiene (£200) ; the grant from the Cassel Trustees for Language Teaching to Commerce Students (£157 10*s*.) ; and donations towards the Students' Loan and Bursary Fund. (See pp. 107–108.)

In connection with the bequest of the late Mr. William Brittain Jones, of which the College received notice some years ago, a further

sum of £1,450 has been received on account of the residue of the estate. This, with the sum of £500 previously received, has been added to the Accommodation Fund.

A sum of £535, left under the will of Mr. J. A. Ferriere, an old student of the College, has been devoted to the establishment of a Ferriere Scholarship, tenable at University College Hospital Medical School by a student who has done his Anatomy and Physiology at the College.

Mr. E. T. Browne has given a sum of £100 for the Department of Zoology.

Reference is made elsewhere to the gateway (attributed to Wren), received from the Pewterers' Company through the good offices of Professor Richardson.

Mr. Wilfrid Bowring, grandson of Jeremy Bentham's Executor (the late Sir John Bowring), has presented to the College the following interesting Bentham relics :—(*a*) an early and a late letter of Bentham, possibly the earliest and latest that have survived ; (*b*) Bentham's note-book for the year 1823–24, recording subjects of conversation with his visitors ; (*c*) a copy of the *Auto-icon* (privately printed) : (*d*) a copy of the Preface intended for the second edition of *The Fragment on Government* ; (*e*) Bentham's spectacles ; (*f*) a ring worn in his old age, with inscription. Mr. F. A. Harrison has given a holograph Will of Jeremy Bentham, made at Argenteuil, when he was travelling abroad, and dated August, 1785. All these have been placed in the Library with the other Bentham relics.

Subscriptions, amounting in all to £3,840, were received during the Session 1932–33 from leading firms in the Chemical and kindred industries in support of the work of the Ramsay Memorial Laboratory of Chemical Engineering : also several additions to the research equipment, including an experimental ball mill presented by Messrs. Edgar Allen & Company, Ltd. Lady Ramsay has presented a series of portraits of eminent scientists, and Dr. E. R. Redgrove, a former student, has given £5 for the purchase of books for the library.

For the Department of Archæology, several casts, forming part of a collection made under the direction of Professor Ernest Gardner, have been presented by the Birmingham City Museum and Art Gallery. Temporary accommodation has been found for them in part of the unoccupied Foster Court territory.

To the Bartlett School of Architecture, the authorities of the Victoria and Albert Museum have presented several rubbings of Brasses in London and Middlesesx Churches : the Hon. Mrs. Mark Hambourg has given framed engravings of certain famous churches, collected by her father, the late Lord Muir Mackenzie.

Gifts to the Department of Geology are referred to on p. 58.

Other gifts include the following :—from Mr. Charles Cheston, through Professor Schwabe, a water-colour drawing by his late wife, Mrs. Evelyn Cheston : from the Directors of the Daily Mirror

Newspaper Company, through Mr. Cecil King, cases of Founders' Type by Caslon (for the Elizabethan handpress of the Department of English); from the General Electric Company, through Mr. W. S. Hunt (a former student), a transformer for the use of the Department of Electrical Engineering: from Professor A. E. Richardson, a drawing by Mr. Hanslip Fletcher of the Great Hall of the College at the time of the Assembly of Faculties in July, 1922; and from Mrs. A. R. Sharpe, a portable equatorial three-inch telescope and an artificial horizon for the use of students doing astronomical work in connection with Surveying and Geography.

The chief gifts to the Library are recorded on p. 75.

THE COLLEGE SITE AND BUILDINGS.

In last year's Report, considerable progress was recorded in the matter of accommodation, following on the acquisition in 1931 of the large new territory immediately south of the College. The last twelve months has been a period of great activity as regards the occupation of a portion of that territory and of the parts of the main buildings that were thereby released for other purposes.

The College Committee resolved to commemorate the name of the late Sir Gregory Foster, Bt., first Provost of the College, who had envisaged its expansion in just such a manner, by renaming the block of buildings thus acquired, on the east side of Malet Place, "Foster Court."

The Department of Zoology and Comparative Anatomy began work in its new home in Foster Court at the opening of the Second Term of the Session 1932–33. On 12th June, 1933, the Chancellor of the University, the Rt. Hon. the Earl of Athlone, performed the ceremony of its formal opening. A full account of this is given on p. 88. A preliminary description of the building, as reconstructed by Messrs. Dove to the design of the Architect, Professor A. E. Richardson, was given in the 1933 Report. Among its distinctive features are the large fresh-water and salt-water aquarium on the ground floor, the accommodation for other living animals, the Lankester lecture theatre with seating for 100 students, the large Junior and Senior laboratories, the former shared with the Department of Botany, the Comparative Physiology laboratory, the series of research laboratories equipped with all the apparatus necessary for work in Morphology, Genetics, and Animal Behaviour, and the spacious, well-lighted Museum. The main entrance is on the western side of the building: an opening has also been made on the eastern containing wall of the site, and a beautiful old gateway, dated 1668–69 and attributed to Sir Christopher Wren, installed there. It formed part of old Pewterers' Hall, which was on the point of being demolished, and the good offices of Professor Richardson secured the gift for the College from the

Pewterers' Company. Happily placed between two plane trees, the gateway makes a restful and pleasant addition to the beauties of the College.

The cost of the site, building, and equipment of the new Department of Zoology has been almost entirely met by the grant of £30,000 made for the purpose by the Court of the University out of their capital grant from the London County Council; the equipment for the development of research work has been made possible through the increased endowment resulting from the munificent benefaction of £88,000 received from the Rockefeller Foundation in 1932.

The right-of-way that leads from Torrington Place to the new territory, formerly known as Upper Gower Mews, has been renamed Malet Place. Iron gates have been erected at this entrance to the site, giving access to the College premises, on the one hand, and, on the other, to those of the National Central Library and the Library Association.

A preliminary statement of the many changes and developments in the territory at the north end of the main building vacated by Zoology was made in last year's Report. As the last twelve months have seen them put into operation, it would seem convenient to include in this Report a statement of the changes as a whole. The most important was the formation of a new Science Library in the former Zoology Theatre and surrounding laboratories. The original noble proportions of this part of the College, designed one hundred years ago, were re-discovered by the dismantling of partitions that had been introduced to meet the exigencies of former crowded conditions, redecoration was carried out in pale green and gold in conformity with the prevailing scheme that has been adopted, new bookcases and other furniture were provided, and one of the finest rooms of the College was thus restored.

The old Science Library was then reconstructed for the benefit of the libraries of the Faculty of Arts. Well-lighted rooms for the Libraries of the allied subjects of English Language and Literature, the Scandinavian Languages and German, for the Phonetics Library, and for a general Advanced Arts Library for the use of Research Students of the Faculty, have been provided on either side of a wide corridor. To the south of the Flaxman Gallery, consequential expansions and improvements have taken place in the departmental libraries that remain there. The History Library now occupies, in addition to its original overcrowded room, the more spacious quarters that housed the Mocatta Library of Jewish History and Antiquities which has been moved to the new home provided for it, through the generosity and energy of Mr. Gustave Tuck, in part of the vacated territory east of the Science Library. The former Romance Library has been enlarged and divided into a French Library and an Italian Library.

Thus, full advantage has been taken of the long-awaited opportunity for Library expansion and development; the result is a range of Arts libraries, with the General Library in the centre of them and the Science Library at the northern end, occupying the entire length of the first floor of the original building, a library system in which, though not yet complete, the College may take a just pride. (See also p. 74.)

Important developments, the far-reaching effects of which will be increasingly felt in the years to come, have also taken place in the matter of private room accommodation for members of the Academic Staff of the Faculty of Arts. The existing provision had proved quite inadequate and the means of increasing it had long been a serious and pressing problem. By means of the construction of a series of rooms in part of the gallery of the former Science Library, approached by a wooden spiral staircase most skilfully designed by Professor Richardson, and by the reconstruction of parts of the south library corridor, set free through the transfer of certain libraries to rooms on the north side, the problem has to a large extent been met. It is a matter of satisfaction to the College Committee to record that every Professor of the Faculty of Arts has now been provided with a private room, placed in nearly every case within easy reach of his departmental library, and that every other member of the staff of the Faculty has a share in a private room. The influence of these facilities for quiet work and for consultations with individual students will readily be appreciated. A Seminar Room for the Department of English has also been constructed close to the private rooms of that department.

In order to meet the growing need of the work in Biophysics, carried on under the direction of Professor A. V. Hill, a new structure, designed by Professor Richardson, has been erected on the roof of the Department of Physiology, the cost having been met by a special grant very generously made for the purpose by the Rockefeller Foundation.

Iron gates have been placed at the main entrance to the Department of Chemistry in Gower Place and at the entrance in Little Gower Place, which lies behind it.

The amenities for the social and athletic life of the Students have also been increased. A new *en tout cas* Tennis Court, with provision for overhead irrigation, has been made in the South Quadrangle, in place of the smaller and less-conveniently situated court on the east side of the Arts Cloisters. The College Committee desire to take this opportunity of expressing their appreciation of the valuable advice that was so kindly given in this matter by Commander Coote of the Miners' Welfare Fund, and by Dr. J. C. Gregory. For the Women Students, a changing room with baths has been constructed in a former storehouse on the north side of the South Quadrangle, and improvements have been effected

in regard to locker accommodation. The Gymnasium has been redecorated, and the bathroom and dressing-room accommodation at the rear of it has been improved.

A new office, adjacent to the Records Office, has been constructed for the Establishment Officer.

The above record of the achievements of the last twelve months, added to what had been accomplished immediately before that, shows that much has been done in fulfilment of the schemes for the most suitable use of every part of the buildings with a view to promoting the well-being of the College as a whole. The College Committee are encouraged, in looking back on what has been done during this period, to hope that the time may not be far distant when further steps may be taken to enter into full use of the buildings on Foster Court that await adaptation for the Departments of Botany, Geography, Geology, Political Economy, and Archæology; some of these departments are badly in need of better accommodation. In the carrying out of this work, there is ample and varied scope for public and for private benefaction alike, and it is the earnest hope of the College Committee that, within the next few years, there may be others who will emulate the generosity of such public benefactors as the Rockefeller Foundation and such private ones as Mr. Gustave Tuck.

While awaiting the means of carrying out these and other projects, the Committee are conscious of all that has already been done, and they are glad to record once again their appreciation of the great services rendered by Professor Richardson, as Architect, of the way in which the difficult task of library re-organisation has been carried out by the Librarian and his staff, and of the skill and energy with which the Superintendent of Buildings and his staff have undertaken all the extra labours entailed in their part of the work.

PERSONALIA.

DEATHS.

The Viscount Chelmsford.

The resignation of Viscount Chelmsford from the office of Chairman of the College Committee at the end of the Session 1931–32, an office which he had held with such distinction since March, 1922, was recorded in the last Report. The news of his sudden death on 1st April, 1933, was received with the profoundest regret on the part of all members of the College.

At a Memorial Service held at St. Peter's, Eaton Square, on 4th April, among the representatives of the College were the Chairman of the College Committee (Professor Sir John Rose Bradford, Bt.), the Provost (Dr. Allen Mawer), and, in the absence of the Secretary in Canada, the Finance Secretary and Accountant (Mr. E. L. Tanner).

It is appropriate to repeat here a resolution passed by the College Committee on 4th October, 1932, in which an endeavour was made to record the great services that Lord Chelmsford had rendered to the College :—

> That the Committee of University College have heard with deep regret of the resignation of Lord Chelmsford on his appointment to the Wardenship of All Souls College. They would desire in the first place to offer him their very warm congratulations on the high office to which he has been called and to wish him a very happy tenure of it. They realise with regret that the claims of that office make it impossible for him to continue as their Chairman, and desire to place on record their deep appreciation of the untiring service he has rendered them during the ten years of his Chairmanship. He has presided over the Committee during a period of critical importance in the history of the College. The years of the Centenary Appeal, the ill-health of the late Provost in the last year or two of his tenure of office, the fresh expansion of the College consequent on the purchase of the Gower Mews Site—each brought its burden of work to him. In these matters, as in all else, no burden was too great for the Chairman to shoulder, and he never failed to master alike the larger points of policy and the smaller points of attendant detail. His Chairmanship has left a deep impression on the life of the College. The Committee are happy to think that though he will no longer be their Chairman, he is still an Honorary Fellow of the College, a distinction which was conferred upon him because of his great services to it, and they trust that the College may for many years continue to welcome him in that capacity.

On 2nd May, 1933, the College Committee resolved :—

> That the University College Committee, deeply conscious of the loss, alike public and personal, which they endeavoured to express in their resolution of 4th October, 1932, on the resignation of the Chairmanship of the College Committee by the late Lord Chelmsford, desire now to offer to Lady Chelmsford and the other members of his family their sincere sympathy in the great loss which has befallen them by his death.

Professor J. G. Robertson.

The death on 28th May, 1933, of Professor J. G. Robertson, brought a heavy loss, not only to the College and University which he had served so long and with such distinction, but to the larger academic world. His retirement from the Chair of German had been due at the end of the Session 1931–32, but, at the request

of the governing bodies of University College and Bedford College, he had consented to accept re-appointment by the Senate for a further session. It was his hope that he would then have greater leisure for the literary work that lay so near his heart. At the same time, the College Committee had hoped that he would be able for some years to retain the Directorship of the Department of Scandinavian Studies, for which he had done so much. Those hopes were destined to remain unfulfilled.

The College Committee associated themselves with the following resolution passed by the Professorial Board on 30th May, 1933 :—

> That the Professorial Board desires to express its sorrow at the death of Professor J. G. Robertson, Professor of German in the University of London since 1903, Director of the Department of Scandinavian Studies since 1924, and an outstanding scholar in these and other fields.
>
> Professor Robertson has endeared himself to all his colleagues by his helpful courtesy and friendliness, his zeal for good letters, and his many services to scholarship, amongst which may be specially mentioned his editorship of the *Modern Language Review* from its foundation twenty-eight years ago to the present time.
>
> The Board desires to offer its heartfelt sympathy to Mrs. Robertson.

A Memorial Service, arranged jointly by Bedford and University Colleges, was held at Marylebone Parish Church on 8th June, and was attended by members of the University generally and of those Colleges, by members of the English Goethe Society, of which he was President, of the Scandinavian communities in London, and by others. (See also pp. 41, 53, 111.)

A fuller reference to the death of Sir Ernest William Moir, Bt., which occurred on 14th June, 1933, is made on p. 19.

The College Committee also record with deep regret the death of the following persons connected with, or concerned in the work of, the College :—

Mr. D. J. Armour, C.M.G., F.R.C.S. (Former Medical Student ; former Demonstrator in Anatomy). [23rd October, 1933.]

Mr. T. Berryman (Laboratory Attendant, Department of Physiology and Biochemistry). [25th January, 1933.]

The Rt. Hon. Augustine Birrell (Quain Professor of Comparative Law, 1896–1900 ; former Life-Governor). [20th November, 1933.]

Dr. Mary Brodrick (Former Student ; Founder of the Mary Brodrick Prize for Geography ; Donor to the Centenary Fund.) [13th July, 1933.]

Dr. F. G. Crookshank (Former Student : former House Physician at University College Hospital). [27th October, 1933.]

Professor J. Cossar Ewart (Curator of the Museums of Anatomy, Pathology, and Comparative Anatomy, 1875–78). [31st December, 1933.]

Sir Walter Morley Fletcher (Member of the Galton Sub-Committee). [7th June, 1933.]

The College Committee associated themselves with the following resolution, passed by the Faculty of Medical Sciences at their meeting on 19th June, 1933, in appreciation of the great help that had been rendered to the cause of Medical Science by Sir Walter Fletcher as Secretary of the Medical Research Council :—

> That the Faculty of Medical Sciences of University College, London, has learned with very deep regret of the death of Sir Walter Morley Fletcher. Many of its members from personal or professional contact with him have cause to be grateful for his sympathetic interest, wise counsel, and ready help, qualities for which he was so justly and so widely esteemed. The Faculty desires to place on record and to convey to the Medical Research Council its deep sense of the loss which Medical Science has suffered through the death of one whose single-minded devotion to its best interests has led to so happy a yield in the past and to so rich a promise for the future.

Dr. Hartwig Hirschfeld (Goldsmid Lecturer in Hebrew, 1924–32 ; Lecturer in North Semitic Epigraphy, 1903–32. [10th January, 1934.]

Dr. James Frank Holland (Former Student). [13th April, 1933.]

Mr. S. L. W. Knott (Student, 1929–32 : former Chairman of the House Committee of University College Hall). [7th January, 1934.]

Mr. L. A. Legros (Fellow). [16th June, 1933.]

Sir Philip Magnus, Bt. (Former Student ; former Life-Governor : former Member of Parliament for the University). [29th August, 1933.]

Mr. F. S. Rood (Former Student : Senior Anæsthetist at University College Hospital). [10th September, 1933.]

Mr. J. Rose-Innes (Fellow : Benefactor to the Department of Physics). [9th July, 1933.]

Sir Robert Forsyth Scott (Fellow). [16th November, 1933.]

Sir Edward Stern, Bt. (Donor to the Centenary Fund). [17th April, 1933.]

Mr. C. F. Stoop (Donor to the Dutch Studies Fund). [7th November, 1933.]

Mr. F. C. Stoop (Former Chairman and Treasurer of the Committee for the Promotion of Dutch Studies ; Benefactor). [10th July, 1933.]

His services to the University are recorded in the following resolution passed by the Committee for the Promotion of Dutch Studies :—

> That the Committee for the Promotion of Dutch Studies have heard with deep regret the news of the death of Mr. F. C. Stoop. Mr. Stoop was the first Treasurer of the Dutch Studies Fund, and later both Chairman and Treasurer of the Dutch Studies Committee. It was largely through his initiative and his sustained efforts, strengthened by his own personal generosity, that the work of the Dutch Studies Committee was established on a satisfactory basis, and the Committee wish to place on record their sincere appreciation of all that Mr. Stoop did for Dutch studies in the University of London.

Mr. George Havard Thomas (Assistant in the Slade School since 1921). [1st December, 1933.] (See also p. 49.)

Professor T. Swale Vincent (Sharpey Scholar, 1899–1901; Assistant Professor of Physiology, 1900–1901). [31st December, 1933.]

Sir Arthur Whitelegge (Fellow). [25th April, 1933.]

Professor William Edward Gibbs.

Just at the time of going to press with this Report, the College Committee received with profound regret news of the untimely death on 18th January, after a short illness, of Dr. W. E. Gibbs, Ramsay Professor of Chemical Engineering, in his forty-fifth year.

Professor Gibbs was appointed to the Chair when the Ramsay Laboratory was only five years old and still occupied temporary premises. He threw himself whole-heartedly into the task of continuing the building up of the new department, and it was through his energy and devotion that the project of the fine and well-equipped home for it, which was opened by H.R.H. Prince George in November 1931, was brought to fruition. The work of moving into the new building, of equipping it, and of carrying on the work in the transitional period imposed a heavy strain on him, which he bore cheerfully, giving ungrudgingly of his time and energy. The happy relations between the College and the world of Chemical Industry, by means of which the work of the Ramsay Laboratory has been placed on a firm basis for the future, were helped by the reputation which Professor Gibbs had achieved, by the importance of the researches carried out under him, and by his own personality. The welfare of his students was close to his heart, and one of his last acts on their behalf was to promote the formation of the Ramsay Society of Chemical Engineers.

The Committee pay grateful tribute to the memory of one who rendered such signal service to the College and University, and to Science in relation to Industry. His death has left a gap in the College life which will long be felt.

HONOURS AND APPOINTMENTS.

Past and Present Students and Other Persons connected with the College.

The following are among the Honours and Appointments of which information has been received :—

King's Birthday Honours, 1933 :—

Dr. George Francis Hill (Fellow)	K.C.B.
Dr. W. S. Duke-Elder (Honorary Research Associate, Department of Physiology and Biochemistry)	Knight.
Miss A. E. Horniman (Former Student).....	Companion of Honour.

New Year Honours, 1934 :—

Sir William Tindall Lister (Medical Student, 1889–94)	K.C.V.O.
Professor Walter Makower (Fellow)	O.B.E.

Adams, Mr. W. (Tutor to Students in the Evening School of History).	General Secretary of the Academic Assistance Council.
Adshead, Professor S. D.	Member of the Council of the Royal Institute of British Architects.
Amos, Professor Sir Maurice Sheldon.	Senior representative of the United Kingdom on the *Comité International Technique d'Experts Juridiques Aëriens*.
Amulree, The Rt. Hon. Lord (Former Student).	Chairman of the Royal Commission on the financial situation and prospects of Newfoundland.
Ashmole, Professor Bernard	Henriette Hertz Lecturer of the British Academy, 1934.
Barlow, Emeritus Professor Sir Thomas, Bt.	Honorary Degree of D.Sc., University of London.
Bates, Dr. L. F. (Reader in Physics).	Member of the Council of the Physical Society.
Bayliss, Dr. L. E. (Former Honorary Assistant, Department of Physiology and Biochemistry).	Physiologist, Marine Biological Station, Plymouth.
Baynes, Professor Norman H.	Creighton Lecturer, 1933–34.
Beaufoy, Mr. S. L. G. (Former Student).	H.M. Inspector, Ministry of Health.
Bell, Dr. James (Former Student) ..	Lecturer in Chemistry, University of Glasgow.
Blacker, Sir George (Fellow ; former Dean of University College Hospital Medical School ; former member of the College Committee).	Representative of the Radium Institute on the Governing Body for Radium Research.

Bolton, Dr. Charles (Fellow)	Censor of the Royal College of Physicians, 1933–34.
Borenius, Professor Tancred	(i.) Corresponding Member of the *Société Archéologique de France.* (ii.) *Socio effettivo* of the *Associazione Archeologica Romana.*
Burt, Professor Cyril L.	(i.) Heath Clark Lecturer, 1933, London School of Hygiene and Tropical Medicine. (ii.) Member of the Industrial Health Research Board.
Cadman, Sir John (Vice-Chairman of the Ramsay Memorial Laboratory Advisory Committee).	(i). Melchett Medal of the Institute of Fuel, 1933. (ii.) Gold Medal of the Institution of Mining and Metallurgy.
Cavenagh, Professor F. A. (Fellow)..	Professor of Education, University of Reading.
Chambers, Professor R. W.	(i.) Turnbull (Poetry) Lecturer, Johns Hopkins University, 1933. (ii.) President of the Philological Society.
Chelmsford, The late Rt. Hon. Viscount (Former Chairman of the College Committee; Honorary Fellow).	Honorary Degree of LL.D., University of St. Andrews.
Cheney, Mr. C. R. (Former Assistant Lecturer, History).	Bishop Fraser Lecturer in History, Victoria University, Manchester.
Charlton, Mr. George (Assistant, Slade School).	Examiner in Fine Art Anatomy, Board of Education.
Chick, Dr. Harriette (Fellow).	Honorary Degree of D.Sc., University of Manchester.
Chitale, Mr. L. M. (Former Student).	Fellow of the Royal Institute of British Architects.
Clayton, Mr. Frank (Former Student)	Fellow of the Royal College of Physicians.
Clinton, Professor W. C.	Fellow of the City & Guilds of London Institute.
Copley, Mrs. John [*née* Gabain] (Former Student).	de Laszlo Silver Medal of the Royal Society of British Artists.
Costello, Mr. F. G. (Former Student).	Hunt Bursary (£50) of the Royal Institute of British Architects.
Coward, Dr. Katharine H. (Former Student; former Assistant, Department of Physiology and Biochemistry).	Reader in Biochemistry, College of the Pharmaceutical Society.
Daly, Mr. I. de Burgh (Former Assistant, Physiology).	Professor of Physiology, University of Edinburgh.
Damle, Dr. N. R. (Former Student).	Reader in Chemical Engineering, University of Andhra, Waltair, India.
Danielli, Mr. J. F. (Former Student).	Commonwealth Fund Fellowship.
Dawson of Penn, The Rt. Hon. Lord (Former Student).	Honorary Degree of LL.D., University of Bristol.

Deller, Dr. Edwin (Fellow ; Principal of the University).	Honorary Master of the Bench, Inner Temple.
Dickey, Professor E. M. O'R. (Former Student).	Fellow of the British Institute of Industrial Art.
Donnan, Professor F. G.	Honorary Member of the Bunsen Society of Germany.
Doodson, Mr. A. T. (Former Assistant, Biometric Laboratory, Department of Applied Statistics and Eugenics).	Fellow of the Royal Society.
Duke-Elder, Sir Stewart (Honorary Research Associate, Department of Physiology and Biochemistry).	Nettleship Medal of the Ophthalmological Society (awarded for best work done in any part of the world during the previous three years).
Evans, Professor B. Ifor (Fellow) ..	Professor of English Language and Literature, East London College.
Eves, Mr. R. G. (Former Student) ..	Associate of the Royal Academy.
Fleming, Emeritus Professor Sir Ambrose (Fellow).	Gold Medal of Honour, 1933, of the Institute of Radio Engineers of New York " for the part he has played in introducing physical and engineering principles into the radio art."
Gaitskell, Mr. H. T. N. (Lecturer, Department of Political Economy).	Rockefeller Fellowship.
Garwood, Emeritus Professor E. J. .	Honorary Degree of D.Sc., University of Sheffield.
Gibb, Sir Alexander (Fellow ; Member of the College Committee).	Vice-President of the Royal Society of Arts, 1933–34.
Gilding, Dr. H. P. (Former Senior Lecturer, Department of Physiology and Biochemistry).	Professor of Physiology, University of Birmingham.
Gill, Mr. Colin (Former Student)....	Examiner in Fine Art, Board of Education.
Goldby, Mr. F. (Former Senior Demonstrator, Anatomy).	Demonstrator in Anatomy, University of Cambridge.
Groves, Emeritus Professor E. W. Hay (Former Student).	Honorary Degree of D.Sc., University of Bristol.
Harris, Professor H. A.....	Professor of Anatomy, University of Cambridge (as from October, 1934).
Heath, Mr. A. D. (Former Student)..	Fellow of the Royal College of Physicians.
Henry, Sir James, Bt. (Former Student).	Profumo Prize of the Inner Temple.
Hill, Professor A. V.	Honorary Degree of D.Sc., University of Bristol.
Hill, Group-Captain R. M. (Fellow) .	Air Aide-de-Camp to H.M. The King.
Hoar, Mr. H. F. (Former Student)..	Owen Jones Studentship of the Royal Institute of British Architects.
Honeywill, Mr. L. J. (Former Student)	Begley Studentship of the Royal College of Surgeons.

Jolowicz, Professor H. F.	LL.D. Degree of the University of Cambridge.
Jones, Dr. D. C. (Former Research Student).	Reader in Chemistry, East London College.
Lee, Professor R. W. (Professor of Roman-Dutch Law, 1906–1915).	Fellow of the British Academy.
Lewis, Sir Thomas (Fellow)	Member of the Medical Research Council.
Lidgett, The Rev. Dr. J. Scott (Student, 1872–76).	Maurice Lecturer at King's College, 1934.
Lloyd-James, Mr. A. (Honorary Lecturer, Phonetics)	Professor of Phonetics, School of Oriental Studies.
Lucas Mr. E. V. (Fellow)	Member of the Standing Committee to advise the Commissioners of Crown Lands on matters relating to the development of the Crown's Urban Estates.
Mactavish, Mr. D. M. (Former Student).	Richard Pickering Gold Medal and Prize of the Institution of Municipal and County Engineers.
Miller, Miss Ellen (Former Student).	Assistant Education Officer, County of Dorset.
Mills, Dr. J. E. (Former Student)...	Lecturer in Chemistry, University of Sydney.
O'Donoghue, Professor Charles (Fellow ; former Senior Assistant, Zoology).	Neill Gold Medal and Prize of the Royal Society of Edinburgh, 1932.
Palmer, Mr. R. (Former Assistant Lecturer, Zoology).	Lecturer in Education, University of Liverpool.
Parkes, Dr. A. S. (Fellow ; former Sharpey Scholar and former Honorary Lecturer, Department of Physiology and Biochemistry).	Fellow of the Royal Society.
Patterson, Major Sydney Wentworth (Former Student).	Fellow of the Royal College of Physicians.
Pearson, Professor Karl (Chair of Applied Mathematics and Mechanics, 1884–1911 ; Galton Chair of Eugenics, 1911–33).	Title of Emeritus Professor.
Petrie, Professor Sir Flinders (Edwards Chair of Egyptology, 1893–1933).	(i.) Title of Emeritus Professor. (ii.) Honorary Degree of D.Sc., University of London. (iii.) *Officier de l'ordre de Léopold*, Belgium. (iv.) Member of the Royal Swedish Academy of Science.
Popham, Mr. A. E. (Former Student).	Deputy-Keeper of the Department of Prints and Drawings, British Museum.
Rankine, Professor A. O. (Fellow ; former Assistant, Physics).	President of the Physical Society.
Ray, Mr. Karunamoy (Former Student).	Silver Medal of the Institution of Structural Engineers.

Reynolds, Miss Doris L. (Former Demonstrator, Geology).	Lecturer in Geology, University of Durham.
Richardson, Professor A. E.	(i.) Member of the Council of the Royal Institute of British Architects. (ii.) Member of the Council of the Royal Society of Arts, 1933–34.
Rycroft, Mr. B. W. (Research Student).	Middlemore Prize of the British Medical Association.
Salisbury, Professor E. J.....	Fellow of the Royal Society.
Sanders, Mr. N. F. (Former Student).	Lecturer in Architecture, National University of Ireland.
Shattock, Mr. C. E. (Former Student)	Erasmus Wilson Demonstrator, Royal College of Surgeons, 1934.
Sisson, Professor C. J.....	British Academy—Annual Shakespeare Lecturer, 1934.
Smiles, Professor Samuel (Fellow; former Assistant Professor of Chemistry).	Honorary Degree of D.Sc., University of Belfast.
Smith, Professor G. Elliot	(i.) Honorary Degree of D.Sc., University of Bristol. (ii.) Honorary Member of the Royal Faculty of Physicians and Surgeons, Glasgow. (iii.) Member of the Norwegian Academy of Science.
Starling, Mr. E. F. (Former Student).	Nicholson Travelling Scholarship, Leeds College of Art.
Stebbing, Dr. Lizzie S. (Former Research Student).	Professor of Philosophy, Bedford College.
Stocks, Dr. Percy (Former Reader in Medical Statistics).	Medical Statistical Officer, General Register Office.
Stone, Mr. W. G. (Former Student)..	Assistant Lecturer in Education, University College, Southampton.
Storrs, Mr. F. C. (Former Student)..	Fellowship of the Salters' Institute of Industrial Chemistry, 1933–34.
Thompson, Sir Herbert, Bt. (Fellow).	Fellow of the British Academy.
Thornton, Mr. J. W. de W. G. (Former Sharpey Scholar and Assistant, Department of Physiology and Biochemistry).	Lecturer in Pharmacology, University of Bristol.
Trotter, Mr. Wilfred (Fellow; Member of the College Committee).	(i.) Vice-President of the Royal College of Surgeons. (ii.) Representative of the Medical Research Council on the Governing Body for Radium Research.
Underwood, Dr. A. J. V. (Honorary Lecturer, Chemical Engineering).	Award of 100 guineas from the Beilby Memorial Fund.
Uren, Mr. R. H. (Atelier Student)...	Design accepted for the new Hornsey Town Hall. Premium of £350 awarded.
Ward, Miss Ida C. (Former Senior Lecturer, Phonetics).	Degree of D.Lit. (London).

Wellard, Mr. J. H. (Former Student).	Rockefeller Fellowship in the Social Sciences, tenable in the United States.
Whitehead, Mr. T. H. (Former Student).	Murchison Fund of the Geological Society.
Wood, Sir Robert Stanton (Former Student).	Fellow of the Royal College of Physicians.
Young, Mr. L. (Demonstrator, Department of Physiology and Biochemistry).	Franklin Essay Prize and Medal of the Institute of Chemistry.
Zuckerman, Mr. S. (Former Student ; former Demonstrator, Anatomy).	Rockefeller Travelling Fellowship, tenable in the United States.

FELLOWS.

The following have been elected to the Fellowship of the College:—

Miss Edith Clara Batho, M.A., Senior Lecturer in the Department of English ; Mr. Charles Benjamin Collett, O.B.E., M.Inst.C.E., M.I.Mech.E., Chief Mechanical Engineer of the Great Western Railway, designer of the ' Cheltenham Flyer ' and other locomotives ; Professor Benjamin Ifor Evans, M.A., Professor of English Language and Literature at East London College, formerly Professor of English, University College, Southampton, and Professor of English Literature, University of Sheffield ; Mr. Edward Mallett, D.Sc., A.M.Inst.C.E., M.Inst.E.E., Principal of the Woolwich Polytechnic Institute and Head of the Electrical Engineering Department, formerly Reader in Electrical Engineering, City and Guilds (Engineering) College ; Mr. Harold James Page, M.B.E., B.Sc., in charge of the Imperial Chemical Industries Experimental Station for Agricultural Research at Jealott's Hill, formerly Head of the Chemical Department of the Rothamsted Experimental Station ; Mr. Alan Sterling Parkes, M.A., D.Sc., Sc.D., Ph.D., F.R.S., a member of the staff of the National Institute for Medical Research, Mount Vernon, Hampstead, formerly Sharpey Scholar and Honorary Lecturer in Physiology, University College, London.

Title of Honorary Fellow.

The title of Honorary Fellow of University College, London, has been conferred, under Statute 28 (*a*), on Professor Karl Pearson, Professor of Applied Mathematics and Mechanics, 1884–1911, Galton Professor of Eugenics in the University of London, 1911–1933 ; and on Sir William Matthew Flinders Petrie, Edwards Professor of Egyptology, 1893–1933.

ACADEMIC STAFF AND WORK.

THE ACADEMIC STAFF.

Faculty of Arts.

In last year's Report it was recorded that Professor J. G. Robertson, although due to retire at the end of the Session 1931–32, had consented to continue to occupy the Chair of German, held jointly at Bedford and University Colleges, for another session in order to meet certain difficulties that had hindered the re-arrangement of the German teaching that would inevitably follow his retirement. After carrying on the work throughout the first and second terms, Professor Robertson fell ill early in May, 1933. The news of his death on 28th May, following on a severe operation, brought a sense of bereavement, not only to his own Faculty, but to the entire College community, to whom he had rendered such invaluable services. A further reference to this loss will be found on p. 32.

At the close of the Session 1932–33, Professor Sir W. M. Flinders Petrie retired from the Edwards Chair of Egyptology, which he had held with such distinction since 1893. On 4th July, 1933, the College Committee associated themselves with the following resolution, passed by the Professorial Board on 28th June :—

> That the Professorial Board desires to place on record its sense of the great loss which the College will sustain by the retirement of Professor Sir Flinders Petrie from the Edwards Chair of Egyptology at the end of the current session.
>
> The Edwards Chair of Egyptology—the first chair of Egyptology to be founded in the British Empire—has been held by Professor Petrie since its creation in 1893. In the College Professor Petrie has built up a Museum which will perpetuate the results of his own excavations : that Museum ranks third in this country for the importance of the objects which it houses, and is at the same time unique as a collection for teaching purposes.
>
> By his work in the field he has won for himself the undisputed leadership of the archæological world. The modern science of archæology was created by him : to him it owes the first formulation of its fundamental principles. His invention of the system of " sequence-dating " has been fundamental for the establishment of archæological chronology, not merely in the sphere of Egyptology, but in every branch of excavation. He has invariably set an example to other archæologists in the prompt publication of his field-work which has no equal in any country.
>
> The public and academic distinctions which he has received have brought high honour to the College in which he has worked for so many years. Besides honorary doctorates from British

and foreign universities, he has been knighted by His Majesty the King, and is one of the very few men upon whom has been conferred the Fellowship alike of the Royal Society and the British Academy.

The Professorial Board desires to express to Professor Petrie its thanks for all that he has done for the College during his Professorship, and it rejoices to think that his energy is still undiminished and his enthusiasm undimmed. The Board wishes for him every success and satisfaction in any work to which that energy and enthusiasm may lead him in the future.

The College is fortunate in retaining the active association of Sir Flinders Petrie with the Department of Egyptology in the capacity of Honorary Curator of the Museum.

Pending the restoration of the Professorship, the Senate have instituted a full-time Readership in Egyptology and have appointed Mr. Stephen Ranulph Kingdon Glanville, formerly Assistant Keeper of the Department of Egyptian and Assyrian Antiquities of the British Museum. Mr. Glanville began his work at the opening of the current Session. A further change in the Department was occasioned by the resignation, at the end of the Session, of Dr. Edith Guest, who had been associated with the work in Egyptology for many years in the capacity of Honorary Assistant.

Mr. K. de B. Codrington has been appointed to a new Honorary Lectureship in Indian Arts and Crafts that has been established jointly at University College and the School of Oriental Studies.

Mr. Herbert M. J. Loewe was obliged, owing to his duties in the University of Cambridge, to resign the Goldsmid Lectureship in Hebrew and the Lectureship in North Semitic Epigraphy. Dr. Erwin Rosenthal has succeeded him in both offices.

Dr. P. N. Rosenstein-Rodan has been appointed a Special Lecturer in the History of Economic Thought in the Department of Political Economy. Dr. Doreen Warriner has been appointed Assistant Lecturer. During the absence of Mr. H. T. N. Gaitskell, who has been granted leave to take up a Rockefeller Fellowship during the current Session, Mr. H. Barger, Assistant Lecturer in the Department, is acting as Tutor to Higher Civil Service Students, and Mr. P. H. Asher has been appointed Assistant.

The Department of History has seen several changes: Mr. C. R. Cheney, Assistant Lecturer, resigned his appointment to take up the Bishop Fraser Lectureship in History at Victoria University, Manchester. Mr. W. Adams, Lecturer, has been appointed General Secretary of the Academic Assistance Council and has resigned his work in connection with the day classes: he has, however, retained the office of Tutor to Students in the Evening School of History (see p. 79). Dr. M. A. Thomson, formerly Assistant Lecturer, has

received the status of Lecturer, Mr. R. B. Wernham has been appointed Lecturer for the Session 1933–34, and Mr. J. H. Le Patourel, Assistant Lecturer.

The retirement of Colonel H. J. Harris, Senior Lecturer in Mathematics and Applied Mathematics, is referred to in another section of this Report (p. 80).

The long connection of Mr. A. G. Haltenhoff with the Department of German ceased at the end of 1932–33. Dr. K. W. Maurer, who acted as an Assistant last Session, and Dr. A. B. Badger, a former Student of the College, have been appointed Assistant Lecturers.

The following further new appointments have been made :—

	Status.	*Department.*
Mrs. Olwen Brogan	Assistant.	Evening School of History.
Miss Ida W. Busbridge ...	Demonstrator.	Mathematics.
Mr. F. Fereday.....	Demonstrator.	Mathematics.
Mr. H. Kestelman	Assistant Lecturer.	Mathematics.
Dr. A. C. Offord	Demonstrator.	Mathematics.
Mr. L. A. Wigglesworth....	Assistant.	Applied Mathematics.

The following changes of title have been adopted (the former status is given in brackets) :—Mr. H. Ingham Ashworth (Assistant Lecturer), Lecturer, Architecture ; Mr. F. C. Harris (Research Assistant), Assistant, Applied Mathematics.

Dr. E. Rosenthal, Goldsmid Lecturer in Hebrew and Lecturer in North Semitic Epigraphy, and Dr. A. H. Smith, Lecturer in English, have been appointed members of the Faculty.

Faculty of Laws.

Mr. J. T. Molony, Assistant for Tutorial Work, has been appointed a member of the Faculty.

Faculty of Science.

The retirement of Professor Karl Pearson from the Galton Chair of Eugenics, which was foreshadowed in the last Report, took effect at the end of the Session 1932–33. The College Committee, at their meeting on 4th July, 1933, associated themselves with the following resolution in which the Professorial Board had attempted to express their sense of the great services that Professor Pearson had rendered to the College as Head of the Department of Applied Statistics and Eugenics, which had been built up under his inspiration, and which had achieved a world-wide reputation :—

> That the Professorial Board desires to place on record its sense of deep regret at the forthcoming retirement of Professor Karl Pearson and of grateful appreciation for forty-nine years

of distinguished work in the service of the College, first as Professor of Applied Mathematics, from 1884–1911, and since then as Galton Professor. During that time Professor Pearson has, by his single-minded devotion to scientific research and by his outstanding scientific achievements, particularly in the field of Biological Statistics which he has done so much to develop, established himself in the minds of us all as one of the outstanding figures of his generation. We are proud of his association with us and deeply conscious of the debt we owe to him for building up a research department of unique distinction. He leaves us full of years, but full of vigour, and we trust that he may still enjoy many years of happy work.

Following on Professor Pearson's retirement, the Department of Applied Statistics and Eugenics has been divided into two departments, which have been constituted, as from the opening of this Session, a department of Eugenics and a department of Statistics. Dr. Ronald Aylmer Fisher, of the Statistical Department of Rothamsted Experimental Station, has been appointed Galton Professor and Head of the Department of Eugenics. Dr. Egon Sharpe Pearson, son of Professor Karl Pearson, who has been a member of his father's staff since 1921, has been appointed Reader in Statistics and Head of that Department. Dr. Ethel M. Elderton, formerly Reader in Eugenics, has now received the amended title of Reader in Social Statistics, and is a member of the Department of Statistics Dr. Percy Stocks, Reader in Medical Statistics, resigned his appointment at the end of the Session to become Medical Statistical Officer at the General Register Office. Other members of the Department who have resigned are Miss B. N. Stoessiger and Miss M. T. Beer, both in view of their approaching marriages, and Miss M. Kirby. Miss Julia Bell, Galton Research Fellow, Dr. G. M. Morant, and Miss M. Noel Karn are members of the staff of the new Department of Eugenics, and Mr. E. C. Fieller, with the title of Lecturer, of the staff of the Department of Statistics; Mr. M. S. Bartlett has been appointed Assistant Lecturer in the latter department.

Professor John Burdon Sanderson Haldane, Reader in Biochemistry at the University of Cambridge, Head of the Genetical Department of the John Innes Horticultural Institution, and Fullerian Professor of Physiology at the Royal Institution, was appointed to the new part-time Chair of Genetics which forms an important part of the development of Zoology, made possible by the Rockefeller benefaction, as from the beginning of January, 1933. Dr. E. S. Russell, Chief Scientific Officer of the Fisheries Branch of the Ministry of Agriculture and Fisheries, was appointed Honorary Lecturer on Animal Behaviour. Mr. R. Palmer, Assistant Lecturer, resigned at the end of last Session to take up an appointment at the

University of Liverpool ; Mr. M. J. D. White has been appointed to succeed him.

The Senate have conferred the title of Reader in Chemistry upon Mr. B. Topley, formerly Lecturer, who has been granted leave of absence for the current Session to enable him to take up a Rockefeller Fellowship. Dr. A. B. D. Cassie has been appointed an Assistant in the Department during Mr. Topley's absence. Dr. E. J. B. Willey has resigned his Honorary Research Associateship. Dr. E. D. Hughes and Dr. C. L. Wilson, formerly Demonstrators, are now respectively Honorary Research Assistant and Assistant Lecturer.

The following changes have taken place in the staff of the Department of Geology :—Professor W. B. R. King is now Curator of the Johnston-Lavis Vulcanological Collection. Dr. K. W. Earle, Senior Assistant, whose duties had included the care of that collection, ceased his work at the College at the end of the Session. Miss Doris Reynolds left to take up another appointment. Dr. M. MacGregor and Mr. J. F. Kirkaldy have been appointed Demonstrators.

Mr. H. W. Thorp has been appointed Demonstrator in the Department of Chemical Engineering.

Mr. D. Orson Wood, Senior Lecturer in Physics, has succeeded Colonel H. J. Harris as Sub-Dean of the Faculty.

Dr. John Kirk, Senior Tutor, and Mr. C. F. Goodeve, Lecturer in Chemistry, have been appointed members of the Faculty.

Faculty of Engineering.

Mr. J. Greig has succeeded Mr. A. W. T. Boyd, Demonstrator, in the Department of Electrical Engineering, with the title of Assistant Lecturer.

Faculty of Medical Sciences.

In the Department of Anatomy and Embryology the following changes have taken place :—Mr. F. Goldby, Senior Demonstrator, has resigned in view of his appointment as Demonstrator in Anatomy at the University of Cambridge. Dr. A. Durward, formerly Demonstrator, is now Senior Demonstrator. Mr. C. W. Flemming and Mr. E. C. Amoroso have been appointed Demonstrators ; Dr. Alfreda H. Baker, Mr. K. L. James, Miss Enid Rockstro, and Mr. C. J. L. Thurgar, Honorary Demonstrators ; Dr. K. C. Richardson and Professor A. Subba Rau, Honorary Research Assistants.

Dr. H. P. Gilding (Senior Lecturer) and Dr. G. F. Marrian (Lecturer) in the Department of Physiology and Biochemistry resigned as from the end of 1932–33 in view of their respective appointments as Professor of Physiology in the University of

Birmingham and Assistant Professor of Biochemistry in the University of Toronto. The following changes of status and new appointments in the Department have taken effect this Session :—Dr. W. H. Newton (formerly Lecturer), Senior Lecturer ; Mr. R. A. Kekwick and Dr. C. Reid, Lecturers. Dr. R. J. MacWalter (formerly Demonstrator), Assistant Lecturer ; Dr. E. W. Fish (formerly Honorary Assistant) and Dr. W. A. H. Rushton, Honorary Research Associates ; Mr. E. Graham Murphy, Sharpey Scholar ; Dr. Katharine Tansley (formerly Honorary Research Assistant), Mr. E. G. White and Dr. F. G. Young, Honorary Assistants ; Mr. C. H. Gray and Mr. L. Young, Demonstrators. Dr. R. J. Lythgoe, formerly Honorary Lecturer, is now Honorary Research Associate in the Department of Physiology and Biochemistry and Lecturer in Psychology.

Mr. H. Barcroft (Lecturer, Physiology and Biochemistry), Dr. A. Durward (Demonstrator, Anatomy and Embryology), Dr. H. R. Ing (Lecturer in Pharmacological Chemistry), Mr. R. A. Kekwick (Lecturer, Physiology and Biochemistry) and Dr. G. W. Theobald (Demonstrator, Pharmacology) have been appointed members of the Faculty.

Mr. E. C. Fieller, Lecturer in Statistics, and Mr. C. H. Williams, Reader in Constitutional History, have been elected members of the Professorial Board for the Session 1933–34 under Statute 24 (5), Regulation 29, *vice* Miss Una Fielding and Mr. L. F. Gilbert. Dr. Egon Pearson, Reader and Head of the Department of Statistics, has been appointed a member of the Board under Statute 24 (4).

The College Committee have been glad to aid the work of the Academic Assistance Council by offering hospitality to certain members of German Universities, to whom facilities have been granted for prosecuting their work in the appropriate departments of the College. Through the generosity of the Rockefeller Foundation, it has been possible to offer one of these guests a temporary appointment, and a further appointment has been made through the kindness of a private benefactor.

THE WORK OF THE FACULTIES.

The Report presented by the Provost at the Assembly of Faculties last July deals with the outstanding events of the Session 1932–33. This Report will be found in Appendix V. (pp. 109–117).

A list of the Original Publications by members of the Staff and Research Students for 1932–33 will be found in Appendix VI. (pp. 119–156).

The following is a brief summary of matters to be noted in connection with the work of the past twelve months :—

Faculty of Arts.

Bartlett School of Architecture.

The Reports of Professor Richardson on the work of the Bartlett School last session, and of Mr. H. Warren Wilson on the Division of Decoration, contain a record of progress and of successes gained by students in open competitions for important awards. Such records have been received for several years past, and are a gratifying testimony to the good work done in the School The following are the numbers enrolled for the current session, with comparative figures for the corresponding time last session shown in brackets : Full-time Day Students 121 (122), of whom 41 (42) are working for the Degree and 57 (55) for the Diploma or Certificate ; Part-time Day Students 6 (7) ; Evening Students 38 (15). There are 16 (15) students at work in the Atelier for Advanced Design, exclusive of 16 Fifth-Year Students who are working there as part of their Course.

The special lectures by Professor Clinton on Illumination, by Dr. E. G. Richardson on Acoustics, and by Mr. J. Roger Preston on Heating and Ventilation continue to form a valuable addition to the programme of work. The courses have also been supplemented by work at the British Museum and the Victoria and Albert Museum, and by building demonstrations at the Carpenters' Company's Trades Technical School : some of the students have visited and measured important buildings and famous churches in course of restoration. Provision is made for the study of mediæval craftsmanship and building methods, with a view to the repair of ancient monuments. The Museum has been augmented for teaching purposes in a very happy manner by the loan that has been secured of a valuable collection of models from the Bodleian Library and of an interesting set of wooden models executed by Sir Christopher Wren's chief model maker, Thomas White. The work of the School is carried on in close co-operation with the departments of the Faculty of Engineering and with the Slade School. Students of the Slade School have attended the courses on the History of Architecture and have taken Architecture as a subsidiary subject for the University Diploma in Fine Art.

Sixteen (18) full-time students are at work in the Division of Decoration. These figures do not include other students in the

School of Architecture who may be taking the several courses as part of their Degree or Diploma work. The programme includes lectures by Dr. R. Morrell, of Wolverhampton, on the Chemistry of Painters' Materials, supplemented by demonstrations and visits to paint manufacturers, and a short course of practical painting under a specialist instructor. A permanent exhibition of the students' work, which is being built up, is evidence of what has already been accomplished in the Division. Provision is made in a specialised Fourth-Year Course for students who wish to go on to more advanced work after completing the three-year Certificate Course.

Town Planning.

Important developments in the Department of Town Planning were recorded in last year's Report. They were introduced with the object of bringing the work into line with the educational requirements for membership of the Town Planning Institute. The hope that students who obtained the University Diploma would be exempt from the examinations of the Institute has now been realised. Forty-four students are at work this session, compared with thirty-eight at the corresponding time last year. Of these, sixteen are taking Town Planning in connection with the Degree or Diploma Course in Architecture, four are working for the Diploma in Town Planning, and sixteen for the Certificate in Town Planning. Owing to difficulties arising from changes of administration consequent on the new Town Planning Act of 1932, certain outstanding appointments have been delayed and there are fewer to record for former students of the Department. Professor Adshead reports that Mr. S. L. G. Beaufoy, Chief Town Planning Assistant to the Liverpool Corporation, who took the University Diploma in 1926, has recently been made an Inspector under the Ministry of Health.

Slade School.

The report of the Slade Professor for last session, which contains an interesting record of work done and appointments and commissions obtained, shows that the traditions of the School have been well maintained, and that its influence has continued to be far-reaching. Two of its former students, Mr. Reginald Eves and Mr. Stanley Spencer, have been elected Associates of the Royal Academy. "The Old Troubadour," exhibited at the Royal Academy in 1933 by Miss Clara Klinghoffer, a student during the years 1918–20, has been purchased through the Chantrey Bequest; also a picture by another former student, Mr. Charles Cundall. These, with Professor Frederick Brown's Self Portrait from the Exhibition of the New English Art Club, and the picture of Mr. Gilbert Spencer, A.R.A., both of which have been purchased through the same Bequest, form a group of paintings by artists closely connected with the Slade School which have recently been added to the National Collections. The School was well represented at the Exhibitions of the Royal Academy and the New English Art Club, both by paintings and sculpture. Of commissions entrusted to past or

present students, the following may be mentioned :—Mr. William Dring has executed the painted decorations of the Rood Screen for Sir Edwin Lutyens' preparatory work on the Liverpool Cathedral. Miss Olga Lehmann's design has been accepted for the new issue of stamps for the Government of Newfoundland. Mr. George Grayston has designed and carried out a mural decoration, commemorating the Centenary Celebrations of 1927, for the Old Students Association room in the College (see also p. 86). Mr. Colin Gill, a former student, has been appointed Examiner in Fine Art to the Board of Education, and Mr. George Charlton, a member of the Staff, Examiner in Anatomy.

Recent years have shown a decrease in the number of students enrolled in the School, as compared with preceding years, when there was a tendency to overcrowd. This decrease has been due partly to the prevailing financial depression, and partly to the care with which students have been selected for admission. The number that have so far registered for the current session is 190, as compared with 216 at the corresponding time last year. Eighty-nine students were working for the University Diploma in Fine Art last session, of whom 26 completed the Course and obtained the Diploma. Among the students of 1932–33 were some from New Zealand, Canada, the United States, Germany, Sweden, China, and Japan.

The work in Decorative and Stage Painting has been carried on under Mr. V. Polunin with unabated keenness. In June 1933, an exhibition of paintings, drawings, sculpture, and designs for the theatre, by present and recent students, was held at the Spanish Gallery, Bruton Street, and attracted a good deal of attention. Mr. Polunin and his students were responsible for scenery in connection with the recent opera season at the " Old Vic " and Sadler's Wells. Mr. Ormrod's students in Decorative Design have also achieved success, Mr. H. R. Eveleigh gaining the Royal Society of Arts Prize for a poster design.

Reference has already been made to the close working co-operation between the Slade School and the Bartlett School of Architecture. There has also been an interchange of useful activities between the Slade School and the Courtauld Institute of Art, some of the lectures at the Institute being of great value to the Slade students.

The staff of the School has suffered a severe loss by the untimely death, on 1st December, 1933, of Mr. George Havard Thomas, M.C., who had, on the death of his father, Professor Havard Thomas, assumed the direction of the work in Sculpture in 1921. A sculptor of no mean reputation himself, he had done great service in sustaining the traditions that had been built up, and in developing and increasing the scope of the work, and the world of Art is the poorer for his passing.

Mrs. Green, who had for several years carried on the secretarial work, and who had helped the staff and students in many ways, retired at the close of last session. Mr. L. S. Elton has taken over her duties with the title of Departmental Assistant.

History of Art.

The provision of a private room for the Durning-Lawrence Professor, Dr. Tancred Borenius, in the Slade School wing has proved of considerable benefit. The large collection of lantern-slides, illustrative of the History of Art, is now for the first time appropriately housed, and is more accessible and useful to the students. Arising from the work on English Mediæval Art that has been done in the Department in recent years, Professor Borenius has embarked on an enterprise of considerable importance, namely, the excavation of Clarendon Palace, near Salisbury. The progress that has already been made shows that abundant data concerning this edifice—which, in the 12th and 13th Centuries, was one of the principal royal palaces of England, lavishly adorned with paintings, sculptures, stained glass, and inlaid tiles—are likely to be forthcoming The Society of Antiquaries have made a grant in aid of the excavations, which are expected to continue for some years and to produce results of great importance to the study of the History of Art in Mediæval England. Professor Borenius advised the Commission appointed by the Lithuanian Government to devise the Coat of Arms for that Republic, he represented the *Societas Scientiarum Fennica* at the International Congress of Art History at Stockholm in September 1933, and was Chairman of the Selection Committee of the Wilton House Loan Exhibition of Historical Treasures last summer. Dr. Joan Evans, a former student, is carrying out, by means of a Susette Taylor Travelling Fellowship awarded by Lady Margaret Hall, Oxford, an investigation into Cluniac Art, a subject of great importance in the History of Mediæval European Art.

Details of the course of Public Lectures at the College that have been arranged in connection with the Exhibition of British Art at the Royal Academy, in which Professor Borenius and other experts will co-operate, are given in another section of this Report (p. 75).

School of Librarianship.

The report of the Director of the School of Librarianship for the Session 1932–33, the fourteenth session of the School, shows that there were 128 Students at work (68 full-time, 60 part-time), of whom 70 were registered for the University Diploma. Several of the students came from Canada and the United States with special grants, of whom two were engaged on compiling a Bibliography of Librarianship, and another, together with an English teacher with a Board of Education Studentship, was investigating modern library conditions. Mr. J. H. Wellard, B.A., one of the Entrance Exhibitioners of 1932, has been awarded a Rockefeller Fellowship in the Social Sciences and is now taking an advanced course in Librarianship in the University of Chicago. There is a long list of appointments and promotions obtained by past students of the School in the course of 1933.

The number enrolled for the current session is 125, of whom 68 are working for the Diploma. The regular programme of the School is supplemented by visits to libraries, museums, printing

works, and the like. The full-time students gain practical experience in their vacations by acting as voluntary assistants in approved Libraries. Mr. Allan Gomme has succeeded the late Mr. A. R. Wright as one of the group of special lecturers in Special Library Services.

The library of the School now contains 2728 books, 330 pamphlets, reports, and bulletins, and subscribes for 41 periodicals. It has been carefully built up, and forms an invaluable collection for its purpose.

Archæology.

The Department of Archæology continues to suffer from the lack of accommodation for a gallery of casts, a photographic studio, a collection of photographs, and a teaching collection of antiquities. The material will be forthcoming when a home has been found for it. The Yates Professor, Mr. Bernard Ashmole, points out how the work is hampered by this state of affairs, despite the fact that the British Museum Authorities have given generous facilities for students of the College to work there. Happily, the College Committee have reason to hope that they may be able to solve the problem, before the issue of the next Report, by arranging for Archæology to occupy a portion of the Foster Court block. Meantime, a temporary resting-place is being provided for a number of casts that have been presented by the Authorities of the Birmingham City Museum and Art Gallery (p. 26).

Mr. K. de B. Codrington has been appointed to a new Honorary Lectureship in Indian Arts and Crafts, tenable jointly at University College and at the School of Oriental Studies.

The Lecturer in British Archæology, Dr. R. E. Mortimer Wheeler, reports that, in addition to the Courses on the Archæology of Western Europe, Roman Britain, and the Technique of Archæological Field-work, all of which have been held at the London Museum with the use of the material there, expeditions have been made to Salisbury Plain and Dorset. Several students took part in field-work in various parts of the country during the Summer Vacation. The students of last session included two doing research work.

Egyptology.

The Session 1932–33 saw the close of Sir Flinders Petrie's long and distinguished tenure of the Edwards Chair of Egyptology. Something of the remarkable work he has achieved for the Science of Archæology, and of the reputation that has come to him and to the department of the College with which he has been associated, is recorded in the terms of the resolution quoted on p. 41. It is a matter of extreme gratification to the College Committee to know that his connection with the department, while necessarily less active, will be continued as Honorary Curator of the Egyptology Museum. He has expressed himself ready, in that capacity, to assist in the further arrangement of the unique teaching collection which he has built up from the results of the field-work carried out by himself and his students. The Senate of the University have conferred on him the title of Emeritus Professor. (See also pp. 38, 40).

The excavations under Sir Flinders Petrie at Tell Ajjūl in Palestine have been continued during the past twelve months. Extraordinarily interesting and valuable finds have been made, and will be announced in due course. Owing to certain difficulties of storage, it was not possible to arrange the usual Summer Exhibition at the College in the Long Vacation of 1933, but Sir Flinders Petrie gave an account of some of the recent discoveries in his Public Lectures delivered in May. Of the important work of those who have trained under him in the department, the following deserve special mention :—Mr. L. Kirwan is at work in Nubia and has been concerned with Mr. W. Emery in an important discovery of Royal Tombs of the Byzantine Period ; Mr. J. L. Starkey and Mr. G. L. Harding are still working with the Wellcome Expedition at Tell Duweir in Palestine ; Mr. Guy Brunton is at work in the Cairo Museum, of which another former student, Mr. R. Engelbach, is Head ; Dr. H. Frankfort has been appointed to a professorship at the University of Amsterdam ; and Miss Myrtle Broome is making facsimile drawings of the sculptures of the Great Temple at Abydos.

Dr. Edith Guest resigned her post of Honorary Assistant at the end of the Session 1932–33. She had for many years given valuable assistance in the teaching work.

Mr. S. R. K. Glanville, who, with the title of Reader, has succeeded Sir Flinders Petrie as Head of the department, began work last October. His experience in the Department of Egyptian and Assyrian Antiquities of the British Museum is especially valuable in connection with the use and maintenance of the teaching collection.

Hebrew. Mr. Herbert Loewe was obliged, owing to the pressure of his duties at Cambridge, to resign the Goldsmid Lectureship in Hebrew and the Lectureship in North Semitic Epigraphy at the end of the Session 1932–33. He has been succeeded in both offices by Dr. Erwin Rosenthal.

English. In the Department of English, the Session 1932–33 was one of considerable progress. Dr. W. W. Greg, Honorary Lecturer, has done much, both by lectures and by the supervision of postgraduate workers, to stimulate and organise the study of Elizabethan Bibliography. An Elizabethan Handpress, for the design and construction of which the department is indebted to Dr. A. H. Smith, has been installed for the purpose of practical instruction, and an epidiascope has been provided for this branch of the work and for that in English Palæography. The plans of Professor Chambers and Professor Sisson for pioneer work in widening the scope of a school of English and for giving it a practical bent upon a scholarly basis are thus bearing fruit. The recent developments in these directions and in a system of regular individual consultations between staff and students have been rendered possible by the provision of better private room and seminar accommodation, which is proving of incalculable benefit.

The numbers in the department have been well maintained. There were 347 students attending the various courses last session.

Professor Chambers was absent for the major part of last term, on a visit to the United States, during which he delivered the Turnbull Lectures in Poetry at the Johns Hopkins University.

Mrs. Blackman, Senior Lecturer, was obliged to undergo a serious operation during the First Term; it is a matter of satisfaction to know that she is making a good recovery. The College has been fortunate in securing the help of Mr. G. N. Garmonsway, of King's College, in carrying on her work.

Scandinavian Studies.

The Department of Scandinavian Studies has sustained a heavy loss by the death of Professor J. G. Robertson (p. 32), who had been its Director and its wise counsellor and friend since 1924. It had been his custom to deliver a Course of Public Lectures for the department each session, and he had intended to give four lectures on "Henrik Ibsen," in the First Term of the current session. These were read by Dr. A. H. Smith, President of the Viking Society, after his death.

The Queen Alexandra Lecturer in Danish, the W. P. Ker Lecturer in Norwegian, and the Crown Princess Louise Lecturer in Swedish all make satisfactory reports upon their work. Twenty-two students, three of them postgraduate, attended the regular Danish Classes last Session, and three a special Third-term Course in preparation for the Summer Course of the University of Copenhagen. Eleven took the classes in Norwegian. Of the seventeen attending the Swedish classes, one passed in Swedish at the Intermediate Arts Examination. The numbers so far enrolled for the present session are: Danish, 21; Norwegian, 9; Swedish, 14. The Department of English continues to provide courses in Old Norse. The delivery of Public Lectures is an important part of the work of each of the three lecturers. The Scandinavian Library has become increasingly useful in the new home provided for it and for the Library of the Viking Society in territory formerly occupied by the Science Library.

French.

The group teaching, the development of which has been such a marked feature of recent years in the Department of French, has been facilitated by the better private room accommodation for the staff. The number of postgraduate students is another noticeable feature. The Professor reports that twelve of his students of last session were working with a view to the Ph.D. Degree.

German.

The Department of German also suffered a grievous loss by the death of Professor J. G. Robertson. He had consented to continue for one further session the work of the Chair which he had held jointly at Bedford and University Colleges for thirty years, and from which he was due to retire at the end of 1931–32, in order to give more time for the re-arrangement of German teaching that would be occasioned by his departure. Those who knew the full value of his scholarship, which had done much to make University College a centre of advanced Germanic studies in this country, looked forward

to a fruitful retirement for him. Not the least of his services to the department was his habitual generosity to the German Library.

Under the new arrangement, Mr. F. Norman, Reader at King's and University Colleges, gives more of his time to University College than hitherto, and he has assumed the major portion of the Mediæval work. Changes in the personnel of the department are mentioned on p. 43. The exchange system with certain German Universities, by which facilities are given for conversation groups during the First and Second Terms, continues to work well, while Honours Students are taking fuller advantage of the opportunity to spend the Summer Term of their Final Year at a German-speaking University. Honours students now have the alternative of taking History or Philosophy in place of Philology. Professor Macmurray is co-operating in this development by holding a course on "Romantic Philosophy in Germany from Lessing to Hegel" during the present session. The number of Public Lectures on literary topics of interest delivered by the staff, some of them in German, has increased, and the lectures have been well attended.

This department was one of those which suffered most from a lack of private room accommodation in the past. A corresponding benefit is felt by members of the staff from the better provision that has now been possible.

Dutch Studies

The work in Dutch Studies has been continued, jointly with Bedford College, under the Professor of Dutch History and Institutions and the Lecturer in Dutch Language and Literature.

Professor Geyl, whose specialist courses form a valuable part of the programme in European History, reports that eleven individual students attended his lectures in 1932–33. He also has the satisfaction of reporting that one of his students, Mr. S. T. Bindoff, was awarded the M.A. Degree in 1933, with a mark of distinction, for his thesis on "Great Britain and the Scheldt Problem, 1815–39." Another, Mr. R. R. Goodison, B.A., is working for the M.A. Degree.

Mr. Theodoor Weevers had eight students for his language and literature classes last session. The number has already been increased to fourteen this session. Of the fourteen registered, one is reading for B.A. Honours in Dutch, three are preparing for the Intermediate Examination, three are postgraduate History Students, six are attending the Evening Classes, and one is working at Afrikaans. A number of mediæval and modern works have been added to the departmental library with the help of the annual grant given for the purpose by the Netherland Government.

Italian.

The satisfactory increase in the number of students taking Italian, which was noted in last year's Report, has been well maintained. In the Session 1932–33 there were 42 in the Junior Class, as compared with 32 in the preceding session. The numbers attending the Public Lectures by Professor Edmund Gardner, Dr. Pellizzi, and Dr. Bassani, some of which have been delivered in Italian, also showed a marked increase last session, and the Barlow-Dante

lectures by Dr. Pellizzi were well attended. The programme for the Higher Senior Classes continues to be arranged jointly by Bedford and University Colleges.

The number of students in the Department of Phonetics last session was 240, of whom 125 came from foreign countries, and of whom 19 attended a special course on "Defects of Speech." There were 58 candidates for College examinations in Phonetics, which is the largest number yet recorded, and compares with 26 in the preceding session. The number taking courses this session is 163 to date. Phonetics.

Research work, which is such an important feature of the department, has been carried on by members of the staff and advanced students. Miss Armstrong and Miss Coustenoble have completed a work on French Intonation, upon which they have been engaged for some years. Miss Armstrong has continued her researches into the phonetic structure of Somali, and Mr. A. C. Lawrenson, a postgraduate student, has been working on the phonetics of Hungarian. The Phonetics Laboratory has co-operated with the School of Hygiene and Tropical Medicine in an investigation of degrees of deafness, and with the Plastic Unit of the Hammersmith General Hospital in experiments on cleft palate speech.

Professor Daniel Jones attended the Third International Congress of Linguists, held at Rome in September 1933, in the dual capacity of Government Delegate and representative of the University of London.

The Evening and Vacation side of the work is referred to on p. 79.

Professor Bellot has been absent since the beginning of the session on a visit to the United States, his visit being timed to include the annual meeting of the American Historical Association. Such visits form an essential part of his work as holder of the Commonwealth Fund Chair of American History. In the same way, Dr. R. A. Humphreys, the Assistant Lecturer, has recently visited Spain in connection with his studies in Spanish American History. The course of eight Public Lectures given by Professor A. M. Schlesinger, of Harvard University, under the Commonwealth Fund Benefaction, is included in the list on p. 78. History.

Special interest attaches to Professor Neale's Fourth Centenary Lecture on Queen Elizabeth, delivered in the First Term, in view of his forthcoming life of that Queen, and to the Public Lecture by Miss Jeffries Davis on "The History of the University Site, Bloomsbury," in the current term, embodying in fuller form the results of those researches which she undertook in connection with the historical section of the brochure issued by the University on the occasion of the laying of the Foundation Stone by His Majesty the King.

One of the benefits accruing to the History Library from the

additional accommodation now available for it is that it has been possible to move the section dealing with American History from its temporary quarters in Arts Annexe I and to place it in the History Library itself.

Important changes in the Evening School of History, consequent on the retirement of Professor Norman Baynes from the Directorship, are mentioned on p. 79.

Political Economy.

The continued development of the work of this department, under the direction of the Senior Lecturer, Mr. N. F. Hall, and the growing numbers of its students make the problem of its better accommodation an urgent one. A part of Foster Court has been allocated to it, but the money necessary to adapt and equip it has still to be found. Meantime, the activity of the department is unabated. In the Session 1932–33, there were at work 72 students of the University Faculty of Economics, 47 of the Faculty of Arts, 17 taking occasional courses, and 38 from the Department of Chemical Engineering who attended a course on Industrial Economics. There are 164 at work this session, of whom 76 are working for Degrees. Staff changes are given in another section of this Report. Through the generosity of a private benefactor, Dr. Rosenstein-Rodan has been appointed Special Lecturer in the History of Economic Thought.

Philosophy.

The Grote Professor of the Philosophy of Mind and Logic, Mr. John Macmurray, has recently, under the terms of the Grote Trust, submitted a report on the first five years of his tenure of the Chair. It is a record of progress from all points of view: the programme of work has been reorganised, research work has been developed, seminar classes have been arranged, co-operation with other departments has been promoted, and the number of students has risen steadily. During the Session 1932–33, a system of inter-collegiate lectures for Honours Students was agreed upon between University College, King's College, Bedford College, and the London School of Economics. The relief thus afforded has been used by Professor Macmurray and Dr. Keeling mainly in increasing the Seminar work of the department. There are eight Honours students this session and eleven postgraduate students.

Geography.

The Department of Geography is in like case with Political Economy in its need for early removal to the new quarters which have been allocated to it in Foster Court. As a temporary measure, the departmental library has been moved to the room in Arts Annexe I formerly occupied by American History, but the separation of the department between two annexes cannot be regarded as a satisfactory arrangement. The increase in the Department of Economics has directly affected the Department of Geography, and accounts for the larger Intermediate Class, numbering 72, last session. The proportion of Arts and Science Students entering the department after completing, or being exempted from, the Intermediate Examination still shows an upward tendency. On the research side, investigations are being carried out, in co-operation with other Schools of Geography and the Imperial Bureau of Soil Research, into the

climate, vegetation, and soils of the Empire. The Evening School of Geography is referred to on p. 79.

School of Journalism.

There are 39 students taking Journalism Courses at the College this session, compared with 31 last session.

Higher Civil Service Studies.

Mr. H. T. N. Gaitskell has been granted leave of absence for a year to enable him to take up a Rockefeller Fellowship, and Mr. H. Barger, also of the Department of Economics, is acting as Tutor to Higher Civil Service Students for the session. The places gained by College men in the various Civil Service competitive examinations continue to be satisfactory. The conditions of admission and fees chargeable have been revised during the period under review. A special course in Present Day Problems is arranged in co-operation with various other departments of the College.

Faculty of Laws.

Ninety Day Students have enrolled in the Faculty of Laws this session, an increase of two on the figure of 1932–33. On the other hand, there are only 13 registered at the College for the Evening Courses, compared with 19 last session, the majority of the Evening Students coming from the two other Schools which co-operate in the Law teaching, viz., King's College and the London School of Economics.

A gratifying feature of the work is the increasing numbers preparing for the LL.M. Degree. Fourteen have registered at University College this session, which is just double the number of 1932–33. The tutorial work is now well organised in small groups to meet the needs of all students.

The University Advanced Law Lectures delivered at the College, which are included in the list on p. 75, created considerable interest and were well attended.

Faculty of Science.

Eugenics. Statistics.

The outstanding change in the Faculty of Science during the past twelve months has been the division of the former Department of Applied Statistics and Eugenics into the two new Departments of Eugenics (including Anthropometry) and Statistics, following on the retirement of Professor Karl Pearson, to which fuller reference is made in the section of this Report that deals with the Academic Staff. The appointment of Professor R. A. Fisher and Dr. Egon Pearson as the respective Heads of these Departments, together with the other staff changes, are also set out there in greater detail. The two new departments began work in October, both being housed in the building of the former Department of Applied Statistics and Eugenics. The Department of Eugenics includes the Galton Laboratory for National Eugenics, which contains the Galton Collections.

Applied Mathematics.

The initial period of five years for which University College assumed responsibility for the administration of the University Observatory ended in July 1933. It has now become a Central Activity of the University under the control of the Senate, with Professor Filon as Director and Mr. C. C. L. Gregory as Wilson Observer.

Psychology.

In the Department of Psychology, Professor Burt reports a growing interest in problems of Education and Child Psychology. Some of the researches begun under Professor Spearman and continued under his successor have been carried to a satisfactory conclusion, and the main results have been the subject of discussion by the British Psychological Society. Valuable data are being accumulated from the tests that have been set for First Year students during recent sessions, the Freshmen always showing themselves willing in large numbers to submit to the tests.

During 1932–33, 112 students were at work in the Laboratory, of whom 17 were registered for Higher Degrees or were undertaking postgraduate research. The corresponding numbers to date this session are 107 (excluding students from other colleges who are attending intercollegiate lectures) and 32.

Botany.

The Department of Botany continues its work in overcrowded quarters and is one of the departments needing new accommodation when the means are forthcoming for providing it in Foster Court. Some relief has been afforded by the arrangement whereby Botany and Zoology share the large Junior Laboratory in the new Zoology building. That this was needed is shown by the noticeable increase in numbers in the Intermediate Class, 116 in the current session compared with 91 last session. There has also been an increase in the number of Honours Students. Research has been actively carried on. The collection of timber specimens has been increased by the generosity of the Forest Products Research Laboratory and Messrs. James Latham, Ltd.

Geology.

In the Department of Geology, some new exhibits have been arranged in the Museum show-cases and the following gifts have been received :—a collection of rocks from Dr. Catherine Raisin, Fellow of the College, and a collection of minerals from Professor Sir Flinders Petrie. A collection of 157 fossils has been obtained by exchange with the United States Geological Survey, Washington. Staff changes are noted in another section of this Report.

Physics.

The overcrowded condition of the Department of Physics, more especially in the Research Laboratory, has recently been under the consideration of the College Committee.

Chemistry.

The activity of the research work of the Department of Chemistry is indicated by the long list of Original Papers to be found in Appendix VI. Last session there were 64 research workers (exclusive of members of the staff) ; this session, there are, to date, 34 working under Professor Donnan and 25 under Professor Ingold.

During the absence this session of Mr. B. Topley, Reader in Physical Chemistry, the arrangements for carrying on his work include the appointment for the session of Dr. A. B. D. Cassie as Assistant.

Chemical Engineering.

The increase in the students of the Ramsay Laboratory of Chemical Engineering has been maintained. Forty students registered in 1932–33, compared with 32 in the preceding session; thirty-nine have registered to date in the current session. Twenty-five students sat for the Diploma Examination last June. Close contact with Industry is promoted by means of visits to works and special lectures by representatives of different industries, and opportunities are provided for students to obtain works experience during the Long Vacation. The list of researches that are being carried out is a long one. Professor Gibbs's report shows that progress has been made in the experimental equipment, alike by gift and purchase, while the collection of exhibits has been augmented through the generosity of many firms. The Committee is greatly indebted to all those members of the industrial world who, by their practical interest and co-operation, have rendered invaluable help to the department. (See also pp. 26, 34.)

The good appointments obtained by students is another very satisfactory feature of the work of the department.

History of Science.

A full programme of lectures, arranged by Professor A. Wolf in co-operation with members of other colleges and of the staff of various departments in the College, is provided term by term for students working for the M.Sc. Degree in the History, Methods, and Principles of Science.

Zoology.

An account of the new home provided for the Department of Zoology and Comparative Anatomy, and its removal there in the Second Term of 1932–33, which was one of the principal events of the past twelve months, will be found on pp. 27, 88. The Committee are glad that Professor Watson has thus seen fulfilled his plans for a widened sphere for his department. The appointment of Professor J. B. S. Haldane to the part-time Chair of Genetics, and that of Dr. E. S. Russell as Honorary Lecturer in Animal Behaviour, have been a source of added strength to the staff and progress has been made in all directions. Research is active and the numbers, both of Honours and Intermediate Students, have increased.

Faculty of Engineering.

Despite the continued depression in the Engineering industry, the number of students registered in the Faculty last session showed a slight increase, 138, as compared with 132 in 1931–32. The number registered to date this session is 127.

The work of the teachers in Civil and Mechanical Engineering has been facilitated, both during term and in vacation, by the

appointment of Engineer-Commander B. W. Knott, R.N. (Retired), as Superintendent of Workshops and Equipment, and the transfer of him of responsibility for the setting in order of the machinery prior to, and during, its use in the Laboratories.

In the Department of Civil and Mechanical Engineering, a new heavy oil engine has been added to the Laboratory and its equipment for experimental work has been carried out in the department. A large electro-magnet has been constructed in the engineering workshops for research work in the Department of Physics. Members of the staff and students have assisted in the interesting tidal research for the Port of Rangoon that is being carried out by Sir Alexander Gibb and his staff in part of the vacant premises in Foster Court. Researches in the department have dealt with the flow of air in pipes, the stress distribution in various types of fusion joints used for constructional steel work, and experimental work relating to shear tests of timber.

The equipment of the Municipal Engineering Laboratory has been increased by purchase. A gift for the use of Surveying Students is mentioned on p. 27. Researches have dealt mainly with water purification, the grading of sand, and aluminous cements.

The equipment of the Power Laboratory of the Department of Electrical Engineering has been augmented by the gift of a complete power transformer unit from the General Electric Company, and by the purchase of the latest form of three-phase variable speed commutator motor. The need for increased floor-space is now becoming urgent. The work in absolute measurement of high vacua has resulted in the production of a much more sensitive absolute gauge than has hitherto been available. In the Communications Laboratory a power valve oscillator is now in use down to a wave-length of 200 metres, and a short wave transmitter and receiver at a wave-length of 60 cm. is in operation as an example of " beam " transmission.

Faculty of Medical Sciences.

Anatomy and Embryology.

It has been a matter of serious regret to all members of the College that the illness of Professor Elliot Smith has deprived the Department of Anatomy and Embryology of the stimulus of his full co-operation in its work during the twelve months under review. He has, however, been able to pay visits to it from time to time, and there is good hope that he will be able to resume some of his lectures at an early date. Meantime, Professor J. P. Hill and Professor H. A. Harris, with the willing help of the other members of the staff, have maintained the traditions and activities of the Department, and research has been vigorously prosecuted. Research workers from many countries have pursued their investigations there, while scientists from Provincial, Dominion, and foreign Universities have spent brief periods as guests in the laboratories. The close alliance with the staff and students of University College

Hospital Medical School has been strengthened, the Radiology Department being of special value in this connection. The growth of the Anatomical Museum, with its more than three thousand specimens, of which over sixteen hundred have been added under the present Curator, Professor H. A. Harris, has made it desirable that there should be a more complete system of classification and cataloguing, and the College Committee have made the necessary provision for this purpose.

The regular instruction courses in Embryology and Histology include one in Vertebrate Embryology for senior and postgraduate students in Anatomy and Zoology. The large number of students taking the Histology Course last session taxed the laboratory accommodation to its limit. Workers from other Institutions of the University, and from other Universities have availed themselves of the unique facilities provided for research in Embryology and Histology.

Dr. Perry has had several research workers in Anthropology, and special lectures have been given by Mr. A. M. Hocart and Mr. L. W. G. Malcolm.

Physiology and Biochemistry.

There have been several staff changes in the Department of Physiology and Biochemistry consequent on the departure of Dr. Gilding, Dr. Marrian, Mr. Thornton, and Dr. L. E. Bayliss to take up other appointments. Particulars of the appointments and changes will be found in other parts of the Report. The research workers of last session included 2 from Australia, 3 from Canada, 3 from the United States, 1 from China, 1 from Manchuria, 2 from France, 1 from Italy, and 1 from Germany.

The long list of Original Papers issued in 1932–33 by staff and students, embodying the results of research (see Appendix VI.), is an indication of the activity in this direction. Twenty-two research students have registered this session.

The department has continued to co-operate in the scheme of University Advanced Lectures in Physiology, which are open to all who are interested in the special subjects.

Pharmacology.

Professor Verney was, happily, sufficiently recovered from his severe illness to resume work at the opening of the Third Term of 1932–33. In addition to the regular lectures, lecture-demonstrations, and practical course, a course of Public Lectures by Dr. Ing on "The Chemical Structure of Drugs in relation to their physiological action" is included in the programme of the department. Some of the investigations and experiments, in which visitors from other countries have collaborated, arrived at the stage of publication in the course of last session. Others are in progress. In the case of one, studies in Water Metabolism in Man, the experiments are being conducted in the constant temperature and humidity room at University College Hospital Medical School.

UNIVERSITY HONOURS.

(January 1st, 1933, to December 31st, 1933.)

Degree or Distinction.	Subject.	Name of Successful Candidate from University College.
Faculty of Arts.		
Ph.D.	Classics	McLellan, R. D.
	English	Harris, N. T.
		Papali, G. F.
		Wade, Gladys I.
	French	Thimann, I. C.
	Geography	Dickinson, R. E.
	Philosophy	Deshmukh, C. D.
	Psychology	Grewal, Devindar K.
		Pachauri, A. R.
		Rama Rao, K. G.
M.A.	English	Barker, L. G. E.
		Jenkins, H. (Mark of Distinction).
		Parish, Evelyn L.
		Raychaudhuri, D.
		Roberts, W. F. J.
		Tancock, Kathleen M.
	French	Hoddinott, Yvonne H. M.
	Geography	Scarfe, N. V.
	History	Bindoff, S. L. (Mark of Distinction).
		Fletcher, Margery A.
		Grobel, Monica C.
	Mathematics	Barham, C. L. (Mark of Distinction).
		Bhatt, C. V.
		Sabapathipillai, S.
Faculty of Laws.		
LL.M.		Bhattacharya, K. K.
Faculty of Science.		
D.Sc.	Embryology	Girgis, A.
	Geology	Knight, B. H.
	Physics	Bates, L. F.
	Physiology	Lythgoe, R. J.
Ph.D.	Biochemistry	Edwards, R. L.
		White, M.
	Chemical Engineering	Redgrove, E. R.
	Chemistry	Danielli, J. F.
		Foord, S. G.
		Harding, J. B.
		Hill, J. A.
		Levy, N.
		Miller, J. G. F.
		Moilliet, J. L.
		Powney, J.
		Pritchard, G. J.
		Raghava Rao, B. S. V.
		Shah, L. D.
		Shah, R. C.
		Waldron, Evelyn M.
	Histology	Tarkhan, A. A.

Degree or Distinction.	Subject.	Name of Successful Candidate from University College.
Ph.D. (*cont.*)	History, Methods & Principles of Science.	Filby, F. A.
	Human Anatomy & Morphology.	Nayak, U. V.
	Physics	Brown, G. B.
		Fewkes, J. H.
	Physiology	Feng, T. P.
		Young, F. G.
	Psychology	Chen, L.
		Sivaprakasam, K.
		Wedeck, J.
	Statistics.....	Davies, O. L.
		Stoessiger, Brenda N.
	Zoology	Thirumalachar, B.
M.Sc.	Biochemistry	Haslewood, G. A. D.
		Maclagan, N. F.
		Whitmarsh, J. M.
	Chemistry	Menon, K. G.
	History, Methods & Principles of Science.	Cornell, E. S.
		Desai, S. P.
		Gunawardena, D. C.
		Hamilton, S. B.
		Henstock, Edith C.
		Lysaght, D. J.
		Smewing, Ethel M.
		Tyrrell, Bertha D.
		Walker, A.
	Mathematics	Adcock, Margaret A. M.
		Armstrong, E. J.
		Ayres, F.
		Bushbridge, Ida W. (Mark of Distinction).
		Padmanaban, V. D.
		Shah, S. B.
		Sundararajan, V. M. I. (Mark of Distinction).
	Physics	Chiong, Y. S.
		Crawford, B. H.
		Eames, T. A.
Faculty of Engineering.		
M.Sc. (Engineering)		Chard, F. de la C.
		Clegg, J. A.
		Greig, J.
		Hart, C. A.
		Stopher, H. E.
University Scholarships, etc.:		
English		Nicol, K. R.
Law		Gower, L. C. B.
Mathematics		Heastie, H.
Physics		Segaller, A. D.
Dunn Exhibition in Physiology		Horn, J. S.
Gilchrist Medal for History		Jenkin, J.
Gilchrist Medal for History of Art		Downing, R. E. R.
Gilchrist Studentship for Women		Rowe, Ethel A.

DIPLOMAS AND CERTIFICATES.

University Diploma in Anthropology.

Clifford, G. M.

University Diploma in Archæology.

Newbigin, Agnes J. W.

Diploma in Architecture.

Dunham, P. B. ; Hilton, J. R. ; Maung, M. ; Sanders, N. F.

Certificate in Architecture.

Goulden, G. I. ; Prior, A. J. ; Stoneham, J. Y. T. ; Watson, H.

Diploma in Chemical Engineering.

Bhide, B. V. ; Bott, E. C. B. ; Crowle, D. P. ; Davies, G. P. ; Drinkall, H. J. ; Dunster, R. F. ; Frisken, J. ; Gugenheim, H. C. ; Hampton, T. E. H. ; Huebner, D. W. ; Kerr, G. M. T. ; McDowell, R. H. ; Morgan, W. H. ; Pearce, G. ; Perry, B. G. ; Plen, M. ; Power, G. M. ; Sachs, G. E. ; Scott, A. H. ; Strang, L. C. ; Sweeten, J. L. ; Tait, J. H. ; Warner, F. E.

University Diploma in Comparative Philology.

Balmos, Irina.

Certificate in Decoration.

Cargill, Dorothy V. L. M. ; Coates, Joyce M. ; Hey, Joan D. F. ; Roberts, Kathleen M. A. ; Wilce, A. C.

Diploma in Engineering.

Civil & Municipal :—Bailey, L. W. ; Cockle, N. ; Dormon, L. G. ; Fellowes, P. E. L. ; Hewitt, B. A. ; Hoare, M. J. ; Lai, L. C. ; Lal, G. V. ; Mackenzie, K. E. ; Mitra, K. K. ; Moore, C. E. ; Read, J. H. F. ; Richmond, J. V. ; Sathe, V. S. ; Whitehead, W. S. ; Wilson, J. N.

Civil :—Williams, L. V. (Subject to passing Language.)

Municipal :—Sen, R. C.

Mechanical :– Austin, W. J. ; Cooper, H. E. ; Dale, J. ; Davies, E. C. ; Eden, J. F. ; Lamont, E. S. ; Read, G. B. ; Williams, J. A.

Electrical :– Alexander, W. ; Armstrong, R. G. ; Bull, E. W. ; Denman, H. L. ; Green, H. E. ; Lal, C. ; Lewis, K. R. ; Lillicrap, H. G. ; Marklew, H. M. ; Maxwell, C. ; Morgan, P. A. ; Record, F. J. ; Risoe, V. S. ; Short, P. ; Stoker, W. R. ; Trout, N. R. ; Walker, R. D. J.

University Diploma in Fine Art.

Allan, Rosemary E. ; Arney, Joan ; Baker, Kathleen S. ; Barnicot, Ann ; Buckley, Gertrude M. ; Bullough, Winifred M. Charlton, F. E. ; Crawshaw, Elizabeth M. ; Dormer, Eva M. ; Early, Mabel ;

Forward, F. R. ; Gladney, G. ; Gordon, Kathleen B. M. ; Heather, Eileen M. ; Keen, Helen M. ; Papineau, Valerie J. ; Porter, Susan ; Ross, Margaret A. ; Russell, A. B. ; Statham, C. W. ; Varley, Margaret W. ; Wardle, J. C. ; West, Alice M.

University Diploma in Geography.

Batho, W. S. ; Bush, Winifred ; Chandler, Hettie W. ; Croft, C. B. ; Dean, Adeline B. ; Duffin, C. J. ; Gibson, Annie L. ; Hall, Agnes W. ; Heptinstall, A. ; Hunter, Mary R. ; Jones, H. L. E. ; Lansdale, Joan M. ; Wilmore, E. ; Wood, F.

University Diploma in the Humanities.

History :– Barrett, Marion M. ; Bedford, W. ; Benwell, C. H. ; Dobbie, Sybil G. S. ; Dunstan, Winifred J. ; Flaxman, Edith M. ; Harper, R. T. ; Hickson, Marjorie E. J. ; Hughes, F. H. ; Jenkin, J. ; Jones, H. ; McErlean, J. P. M. ; Marvell, Hilda E. ; Proverbs, Marjorie E. ; Smith, Gertrude M. ; Whitty, Gertrude A. C.

History of Art :—Blackford, Catherine A. ; Downing, R. E. R. ; Patching, Gertrude M. ; Peters, Ada M.

University Diploma in Journalism.

Francelli, F. M. G. ; Hirst, Sheilah H. ; Lucas, Helen A. ; Mehta, Purnima V. ; Phillips, Freda S. ; Rees, C. I. ; Risius, R. ; Ross, Margaret M. ; Rowdon, J. W. ; Wells, Grace E.

University Diploma in Librarianship.

Alder-Barrett, Winifred E. ; Aller, C. F. ; Anderson, Annie J. ; Ashworth, Margaret S. ; Bardswell, Evelyn E. ; Barnes, J. K. ; Bowker, Dorothy M. ; Buchan, Margaret I. R. ; Dahl, Anna A. ; Davies, Katharine M. ; Dean-Smith, Margaret J. ; Ellison, G. W. ; Finnis, Marjorie L. ; Francis, Lilian M. ; Fraser, Jean M. ; Granville, B. D'E. ; Gregson, Norah ; Hinchcliff, Isabel ; Hudson, Mary M. ; Kerr, Edith P. ; Kirkus, Phyllis M. ; Lowe, Annie E. S. ; Lowis, Angela E. ; Matheson, Katharine R. ; Mole, Rosemary F. ; Nixon, H. M. ; Owen, Sallie ; Parker, S. A. ; Pease, Monica D. H. ; Pennington, R. ; Peock, Mary ; Price, Elfreda C. ; Robertson, Ruth ; Sheather, Nora K. ; Smyth, Elizabeth S. ; Spinney, G. H. ; Stott, Margaret ; Tracey, Joan ; Varley, D. H. ; Wellard, J. H.

(Award deferred in cases where necessary period of service in an approved Library is not yet completed.)

Certificate in Phonetics.

Adams, Hilda M. ; Aubry, Pauline J. A. ; Brewster, A. J. E. ; Carter, T. M. ; Dann, Hilda C. E. ; Davey, Mary ; Fry, D. B. ; Grignolio, Jolanda ; Gyáros, Elisabeth H. ; Heidel, H. P. ; Holmes, Edith A. I. ; Hotopf-Gort, Emmy M. ; Hoy, P. H. ; Humphries, Joan D. ; Kraus, Bettina M. ; Lawrenson, A. C. ; Ledieu, Louise P. ; Marcus, S. ; Morrow, R. W. ; Mountain, P. T. ; Ofver-Holm,

Hjordis ; Potter, Mabel ; Rasten, Kaethe ; Seabright, Joan ; Sebestyén, Mary E. ; Stanton, Enid L. ; Stirling, W. F. ; Stokes, A. E. ; Storey, Barbara H. ; Summers, Gertrude M. ; Thompson, Catherine M. ; Tibbitts, E. L. ; Waligorski, A. ; Weinstein, Esther J. ; Whittow, Mary B. ; Wilson, Doris ; Winstanley, E. ; Winter, Marion G. C. ; Wood, E. S.

University Diploma in Psychology.

Fountain, H. A. ; Hurst, Enid ; Lauterbach, Sophia ; Mohun, A. F. ; Short, Phyllis D.

University Diploma in Town Planning and Civic Engineering.

Kler, D. S.

Certificate in Town Planning.

Beck, R. T. ; Caldwell, I. ; Colquhoun, R. S. ; Gray, Sylvia C. ; Handisyde, C. C. ; Marshall, T. L. ; Northover, E. C. ; Stark, D. R. ; Thompson, E. L.

University Certificate for Proficiency in :

English :—Fuchs, Pauline ; Gandolfo, Olga ; Unna, Suse.
French :—Ripley, C. F.

SUMMARY OF RESULTS.

January 1*st to December* 31*st*, 1933.

I. Degrees.

	Inter. and 1st and 2nd Medical.	Bachelor. Pass.	Bachelor. Hons.	Master.	Ph.D.	Doctor.	Faculty Total.
Arts	104	20*	81	14	10	—	229
,, (Architecture)	7	2	2	—	—	—	11
Laws	21	8	7	1	—	—	37
Science	85	37†	48‡	23	29	4	226
Economics	17	5	12	—	—	—	34
Engineering	33	17	29	5	—	—	84
Medicine	20 (Inter. Sci. for Med.) 18 (1st Exam.) 58 (2nd Exam., Pt. I.) 44 (2nd Exam., Pt. II.)	24	4	—	—	6	174
	407	113	183	43	39	10	795

* General Degree.
† 27 Special; 10 General.
‡ 44 Special; 4 General.

II. Diplomas and Certificates.

	Diplomas.		Certificates.	
Arts	Anthropology	1	Architecture	4
	Archæology	1	Decoration	5
	Architecture	4	English	3
	Comp. Philology	1	French	1
	Fine Art	23	Phonetics	39
	Geography	14	Town Planning	9
	History	16		
	History of Art	4		
	Journalism	10		
	Librarianship	40		
	Psychology	5		
	Town Planning	1		
Engineering	.....	43		
Chemical Engineering	.....	23		
Total		186		61

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SCHOLARSHIPS AND OTHER DISTINCTIONS AWARDED IN THE COLLEGE.

A. *FACULTIES OF ARTS, LAWS, SCIENCE, AND ENGINEERING.*

Entrance Scholarships.

ANDREWS SCHOLARSHIPS :—

Arts :—M. Morris (Kilburn Grammar School) (3rd year) ; T. M. Carter (Dulwich College) (2nd year) ; Joan Manton (Kingsbury County School) (1st year)..

Classics :—J. C. Nightingale (Cardinal Vaughan School, Kensington) (3rd year) ; J. H. Ritchie (Lancing College) (2nd year) ; E. D. Muffett (Chigwell School, Essex) (1st year).

Mathematics & Science :—J. H. Stevens (Windsor County School) (3rd year) ; C. G. Raisin (University College School) (2nd year) ; L. A. Wiseman (Stationers' Company's School) (1st year).

BARTLETT EXHIBITIONS IN ARCHITECTURE :—

J. E. A. Brownrigg (Charterhouse School) (5th year) ; G. A. Crockett (Hackney Downs Grocers' Company's School) (5th year) and L. T. Wilkins (Merchant Taylors' School) (5th year), *eq.* ; W. B. Galloway (Whitgift Middle School, Croydon) (4th year) ; A. E. Rogers (The Royal Grammar School, Guildford) (4th year) ; A. G. Ling (Christ's Hospital, Horsham) (3rd year) ; N. E. Block (Whitgift Middle School) (3rd year) ; E. H. L. Osman (Hele's School, Exeter) (2nd year) and A. Reed (West Ham Municipal Secondary School) (2nd year), *eq.* ; Barbara E. E. Sutcliffe (St. Margaret's School, Westgate-on-Sea) (2nd year) ; A. M. Foyle (Kingswood School, Bath) (1st year).

CAMPBELL CLARKE SCHOLARSHIP IN ENGLISH :—L. J. Jolley (Coopers' Company's School) (2nd year).

GOLDSMID SCHOLARSHIPS :—

Science :—Edith M. Read (Charles Edward Brooke School, Camberwell) (3rd year) ; R. H. Leach (Holloway School) (2nd year) ; J. N. Foster (Morley Grammar School) (1st year).

Engineering :—H. G. Lillicrap (Erith County School) (3rd year) ; D. A. Collis (Bablake School, Coventry) (1st year). [*Resigned.*]

Faculty of Laws :—V. P. M. J. O. Stranders (Henry Thornton School, Clapham Common) (4th year—Special).

Librarianship Exhibition :—I. G. Philip, B.A. (Queen's College, Oxford) ; F. S. Green, B.A. (Queens' College, Cambridge).

St. Pancras Scholarship :—No award.

Rosa Morison Scholarship :—(Arts) W. I. Stanton (Wimbledon College) (3rd year) ; (Classics) F. J. Ainsworth (Whitgift School, Croydon) (2nd year) ; (Classics) J. N. Kemp (Simon Langton Boys' School, Canterbury) (1st year).

Trevelyan Goodall Art Scholarship :—L. W. P. Woolford (University College School) (2nd year).

West Scholarship in English and English History :—Joyce E. Hancock (Dover County School for Girls) (2nd year).

University College School Centenary Scholarship :— A. H. Gould (Science) (2nd year).

II. Other Scholarships and Distinctions.

'Architects' Journal' Essay Prize :—Esther M. Hamp

Sarah Baker Prize in Botany :—G. E. Smith, B.Sc.

Herbert Batsford Prize (Architecture) :—E. H. L. Osman.

Bayliss-Starling Memorial Scholarship (Physiology) :— L. Young, B.Sc.

Benington Memorial Studentship in Anthropology and Craniology :—[Next Award 1934.]

Alfred Bossom Medal (Atelier) :—E. C. O'Farrell.

Alfred Bossom & A. J. Davis Medal (Atelier) :—E. C. O'Farrell.

Mary Brodrick Prize (Geography) :—M. L. T. Sinclair.

'The Builder' Prize :—*Senior* : No award.
Junior : *1st* : N. E. Block, H. F. Robinson } *eq. divided.*
2nd : Barbara E. E. Sutcliffe, E. H. L. Osman } *eq. divided.*
Highly Commended :—D. C. H. Jenkin.

'Building' Prize :—V. Bulbulian.

Chadwick Medal and Prize (Municipal Engineering and Hygiene) :—P. E. L. Fellowes.

ANTONIO CIPPICO MEDAL AND PRIZE IN ITALIAN :—Wilhelmina M. Gallagher.

DANISH-BRITISH ASSOCIATION PRIZES :— { F. V. Checksfield. L. G. G. Twyman.

DERBY SCHOLARSHIP IN ZOOLOGY :—J. S. Kennedy.

DOLLEY MEMORIAL PRIZE IN HISTORY :—Next Award 1934.

DONALDSON MEDAL (Architecture) :—G. A. Crockett.

DUTCH STUDIES SCHOLARSHIP :—R. R. Goodison, B.A.

EARLY ENGLISH TEXT SOCIETY'S PRIZE :—S. Myers.

FERRO-CONCRETE PRIZE (Design) :—1st : E. C. O'Farrell.
2nd : A. P. Ciregna.

FIELDEN RESEARCH SCHOLARSHIP IN GERMAN :—M. O'C. Walshe (2nd year).

CAREY FOSTER RESEARCH PRIZE IN PHYSICS :—R. Roscoe.

FOYLE PRIZE (Latin) :—S. Calvert.

GLADSTONE PRIZE FOR HISTORICAL ESSAY :—Next Award 1934.

ELEANOR GROVE SCHOLARSHIP IN GERMAN :—
1933–34 :—No award.
1932–33 :—Additional Scholarship awarded (under new Regulations) to :—
Joan H. Saxton } *eq.*
Clyde A. Warren } *divided.*

ARCHIBALD P. HEAD MEMORIAL MEDAL AND PRIZE IN MECHANICAL ENGINEERING :—H. E. Cooper.

HEIMANN MEDAL IN GERMAN :—Kathleen S. Russell.

JOHN OLIVER HOBBES MEMORIAL SCHOLARSHIP IN MODERN ENGLISH LITERATURE :—T. Blacka.

HOLLIER SCHOLARSHIP : GREEK :—No award.
HEBREW :—Isaacs, S. } *eq.*
Mahbub, D. S. } *divided.*

JOSEPH HUME SCHOLARSHIP IN JURISPRUDENCE :—L. C. B. Gower, LL.B.

JOSEPH HUME SCHOLARSHIP IN POLITICAL ECONOMY :—M. V. Pai, B.A.

HURST BEQUEST ESSAY PRIZES IN ENGLISH LAW :—No award.

Sir George Jessel Studentship in Mathematics :—L. W. F. Elen, B.Sc. (1st year).

Jevons Memorial Scholarship (Economic Science) :—Next award 1935.

Jews' Commemoration Scholarship :—J. Connors (2nd year); K. S. Rao (2nd year) [*Resigned*]; Alice Weissbruth (1st year).

Leverhulme Studentships in Chemical Engineering :—P. C. Carman, M.Sc. (2nd year); H. Lewis, B.Sc. (2nd year); P. Meyer, B.Sc. (1st year); J. H. Robertson, Ph.D. (1st year).

Bunnell Lewis Prizes :—(Latin Hexameters) R. C. Chope.

Lloyd Scholarship in Greek :—No award.

Lloyd Scholarship in Political Economy :—R. Krammer.

Sir John MacAlister Medal (Librarianship) :—J. H. Wellard, B.A.

Percy F. Macgregor Scholarship in Embryology :—No award.

Malden Scholarship and Medal (Greek) :—W. I. Stanton.

John Marshall Prize and Medal in Comparative Philology :—No award.

Sir William Meyer Studentship (History) :—Catherine B. A. Behrens (2nd year).

John Stuart Mill Scholarship (Philosophy) :—Margaret MacDonald, B.A.

Rosa Morison Memorial Medal (Science) :—K. P. Oakley.

Rosa Morison Scholarship in English :—Dorothy F. Ancell (2nd year); Eunice L. Smart (1st year).

Morley Medal in English :—No award.

Morris Prize in Geology :—No award.

Melvill Nettleship Prize for Figure Composition :—No award.

Oliver Bursary :—K. Wilson (2nd year).

Agnes Paul Prize in Greek :—No award.

Catherine Maude Pearce Scholarship :—Hilda E. Johnston, B.Sc.

Pollard Prize in English History :—No award.

Postgate Prize in Comparative Philology :—No award.

Quain English Prize :—Next Award, 1935.

Quain Studentships :—
English :—H. Jenkins, M.A. (4th year).
Biology :—Ruby E. Dowling, B.Sc. (5th year).

Ramsay Memorial Medal in Chemistry :—M. A. T. Rogers, B.Sc.

Ricardo Scholarship in Political Economy :—C. F. G. Ransom (1st year).

Robert Ross Scholarship (Slade School) :—F. R. Forward.

Hester Rothschild Prize in Hebrew and Aramaic :—No award.

L. M. Rothschild Prize in French :—No award.

Mayer de Rothschild Scholarship in Mathematics :—J. A. Taylor, B.Sc.

Slade Fine Art Scholarships :—D. H. Clarke (1st year) ; Marie T. Coulter (1st year) ; I. P. Godfrey (1st year) ; Margaret A. Ross (1st year).

Slade Prizes for Figure Composition :—Rosemary Allan ; Thelma A. Carstensen ; D. H. Clarke ; H. R. Eveleigh ; I. P. Godfrey ; P. McIntyre ; Margaret C. Shaw ; G. Sweet ; Margaret J. Williamson.

Laura Soames Prize (Phonetics) :—A. C. Lawrenson.

Tuffnell Scholarship in Chemistry :—M. A. T. Rogers, B.Sc. (2nd year) ; R. Wild, B.Sc. (1st year).

University College School Science Research Medal :—F. de la C. Chard, B.Sc. (Eng.).

L. F. Vernon-Harcourt Prize (Engineering) :—
N. Cockle
K. E. Mackenzie } *eq.*

Ellen Watson Scholarship in Applied Mathematics :—L. W. F. Elen, B.Sc.

B. *FACULTY OF MEDICAL SCIENCES.*

MEDICAL ENTRANCE EXHIBITIONS AND SCHOLARSHIPS :—

BUCKNILL SCHOLARSHIP :—A. D. Le Vay (Haberdashers' Aske's School) (2nd year) ; D. F. Eastcott (Glendale County School, Wood Green, and University College) (1st year).

1ST MEDICAL ENTRANCE EXHIBITION :—M. Albert (Hackney Downs School) (2nd year) ; G. B. Jones (Arnold School, Blackpool) (1st year).

2ND MEDICAL ENTRANCE EXHIBITION :—J. Colover (Hackney Downs School) (2nd year) ; J. I. P. James (Eggars Grammar School, Alton) (1st year).

MEDICAL ENTRANCE SCHOLARSHIP :—F. A. Chrenko (Chelsea Polytechnic) (3rd year) ; D. F. Eastcott (Glendale County School, Wood Green) (2nd year) ; B. Brownscombe (Christ's Hospital, Horsham) (1st year).

EPSOM FREE MEDICAL SCHOLARSHIP :—E. M. Kee (2nd year).
C. Lewthwaite (1st year).

CLUFF MEMORIAL PRIZE :—K. D. Fraser.

FERRIERE SCHOLARSHIP [Tenable at U.C.H. Medical School] :—D. V. Davies.

SCHAFER PRIZE IN PHYSIOLOGY :—Next award 1935.

SHARPEY PHYSIOLOGICAL SCHOLARSHIP .—E. G. Murphy (1st year).

Ramsay Memorial Fellowships.

The following Students holding Ramsay Memorial Fellowships were working in the College in the Session 1932–33 :—

Dr. C. Kawassiades (Greek) ; Dr. I. Sawai (Japanese).

The following was awarded a Fellowship for the current session :—
Dr. A. G. Winn (British).

Rockefeller Fellowships.

The following Students holding Medical Rockefeller Fellowships were working in the College during the Session 1932–33 :—

Dr. L. C. Bugnard (France) ; Dr. J. Florian (Czechoslovakia) ; Professor G. T. Popa (Roumania) ; Mr. T. Vacek (Czechoslovakia).

The following were awarded Fellowships for the current Session :—

Dr. L. C. Bugnard (as above) ; Dr. T. Kosaka (Japan) ; Dr. O. Krayer (Germany) ; Dr. B. Szabuniewicz (Poland).

The following member of the Staff was elected to a Fellowship in Economics, for the Session 1933–34, to enable him to carry out research in Germany and Austria :—

Mr. H. T. N. Gaitskell, B.A.

THE LIBRARY.

In connection with the scheme for the provision of better accommodation for the Faculty of Arts, a number of changes have been carried out during the session in the location of Library rooms. The English and German Libraries have been moved from their old homes on the west side of the Arts Corridor to new rooms formed in the space formerly occupied by the Science Library on the north side of the Flaxman Gallery. The French Library has found larger quarters in the room previously occupied by the English Library, and now has an Italian room adjoining it. The room devoted to English History has been enlarged and re-arranged, and the American History books have been brought together in the History Library South (until recently known as the Mocatta Library). These moves have made possible the provision of private rooms for the Professors of Greek and Latin, for their assistants, and for certain members of the staff of the Department of History, adjoining the sectional libraries with which they are concerned. A re-arrangement of the Yates Library has similarly enabled Professor Ashmole to become the sole occupant of a room which he was formerly obliged to share with the Library.

The space to the north of the Flaxman Gallery, at one time devoted to the Science Library, has provided accommodation not only for the English and German Libraries, but also for the Scandinavian Library (with which the Library of the Viking Society is now associated), the Phonetics Library, and an Advanced Arts Library, newly formed by bringing together numbers of periodicals and other material not normally used by the undergraduate student. It has been a great satisfaction to the Library Committee to see these further steps taken towards the realization of a scheme of reorganisation which had become an urgent need.

By the death of Professor J. G. Robertson, F.B.A., the Library has suffered a loss no less severe than sad. Professor Robertson had not only given unstintingly of his advice in the purchase of German and Scandinavian books, but had also been, throughout his long association with the College, a very generous donor to the Library. The Committee has learnt with pleasure that it is Mrs. Robertson's intention to carry out her late husband's wishes by giving to the College such books from Professor Robertson's collection as are not already in the Library.

Several changes in the personnel of the staff of the Library took place last session. Mr. L. T. Morton, who had joined the staff in 1923, resigned his position as Library Assistant on obtaining an appointment in the Library of the Royal Society of Medicine. Mr. Morton had been in charge of the Thane Library of Medical Sciences since 1929. Mr. C. Marmoy has rejoined the Library staff in Mr. Morton's place after an absence of two years. Mr. L. G.

Patrick, Junior Library Assistant, has resigned, and has been replaced by Mr. S. Burden. Mr. N. Hebblethwaite has been appointed as an additional Junior Assistant.

Many valuable gifts have been made to the Library during the year. Perhaps the most interesting was a collection of 184 early editions of the Greek and Latin classics, including a copy of Manutius, printed by Aldus in 1557, given by Dr. H. H. Scott.

The additions made to the Library during the period under review total just over 10,000, bringing the number of books and pamphlets now in the Library to some 340,000.

At the close of the Session 1932–33, Professor Jeffery's long and valuable service as Chairman of the Library Committee came to an end, and the following resolution was placed upon the Committee's Minutes :—

> That this Committee place upon record its deep obligation to Professor G. B. Jeffery, for the service he has rendered during his eight years' tenure of its Chair, and its appreciation of the wise and impartial manner in which he has presided over its deliberations.
>
> Since Professor Jeffery was first elected Chairman of the Library Committee in 1925, there have been a number of difficult and important problems with which the Committee has had to deal : questions of Library finance, the constitution and procedure of the Committee itself, the status and remuneration of the Librarian, the provision of accommodation for the ever-increasing number of books, to all these and many other matters Professor Jeffery has devoted an attention and an energy which could not have been greater.

Professor Ashmole was elected Chairman in Professor Jeffery's stead.

PUBLIC LECTURES.

In the Course of last session, a large number of Public Lectures were given at the College, at which the aggregate attendance amounted to about 23,300. A list of the Lectures arranged since the issue of the last Report is given below. The College Committee are glad to take this opportunity of expressing their appreciation of the services of the several lecturers in this important side of the work.

By Members of the College Staff :

M. Arsène Alexandre.	" Saint-Just and the Spirit of 1793 " ; " Michelet's *Histoire de France.*"
Professor Sir Maurice Amos.	" Comparative Jurisprudence : some chapters in modern Civil Law " (Sixteen lectures).

Professor B. Ashmole.	"Some Recent Discoveries of Sculpture"; "The Place of Art in the Study of Man."
Dr. A. B. Badger.	"Some Recent Modifications of the German Educational System."
Dr. E. A. Baker.	"The Idea of a School of Librarianship."
Dr. A. M. Bassani.	"Torquato Tasso"; "Giuseppe Parini e i suoi tempi."
Professor L. M. Brandin.	"Le rôle des jongleurs dans la littérature française du moyen âge."
Professor Tancred Borenius.	"English Mediæval Art: Some Points of View."
Professor R. W. Chambers.	"Old English Poetry" (Five lectures).
Mr. K. de B. Codrington.	"India, the Village as a Social Unit."
Miss E. Jeffries Davis.	"The History of the University Site, Bloomsbury"; "London in the days of Thomas Becket."
Professor C. B. Fawcett.	"Geographical Factors in the Study of Man."
Professor Edmund G. Gardner.	"Bird Life in Italian Poetry after Dante"; "Lorenzo the Magnificent."
Professor P. Geyl.	"William the Silent" (Fourth Centenary Lecture).
Mr. S. R. K. Glanville.	"The Eastern Origin of Western Civilization."
Dr. W. W. Greg.	"The Text of *King Lear*."
Mr. I. C. Gröndahl.	"The University of Norway in the 19th Century"; "The Norwegian Students' Union in the 19th Century."
Mr. J. H. Helweg.	"The National Theatre and Present-Day Drama in Denmark." "Modern Danish Architecture" (Three lectures).
Mr. A. M. Hocart.	"The South Seas: the Organization of Peoples."
Dr. Pryns Hopkins.	"Psychological Interpretations of History."
Dr. H. R. Ing.	"Chemical Structure and Pharmacological Action" (Six lectures).
Mr. Herbert Loewe.	"Some recently discovered 13th Century Hebrew Charters."
Dr. R. J. Lythgoe.	"The Physiology of the Sense Organs" (Six lectures).
Mr. L. W. G. Malcolm.	"Africa, Past and Present."

Dr. K.-W. Maurer.	"Stefan George" (Two lectures). "Ricarda Huch, zum Gedächnis ihres 70. Geburtstages."
Mr. E. Mesterton.	"Reflections of some 19th Century Problems in Swedish Literature" (Three lectures); "The new Architecture in Sweden" (Three lectures).
Dr. Margaret Murray.	"Religion and Ritual in the Study of Man."
Professor J. E. Neale.	"Queen Elizabeth: a Fourth Centenary Lecture."
Dr. C. Pellizzi.	"Gli ultimi canti del *Paradiso*" (Twelve Barlow Lectures on Dante); "Romanzieri italiani contemporanei"; "L'Ariosto dopo quattro secoli"; "L'attualitá di Machiavelli."
Professor Sir Flinders Petrie.	"Egyptian Links with Palestine."
Mr. F. J. Richards.	"The Practical Value of Human Studies."
The late Professor J. G. Robertson.	"Henrik Ibsen" (Four lectures read by Dr. A. H. Smith).
Professor Charles Singer.	"The Development of the Study of Man."
Professor C. J. Sisson.	"Libels, Jigs, and Folk-Plays in Shakespeare's England" (Three lectures).
Dr. M. A. Thomson.	"Politics and the Press in England in the 18th Century."
Dr. R. E. M. Wheeler.	"Early Civilization and Economics"; "Race and History in Ancient Europe."
Mr. C. H. Williams.	"A Byway in Legal History."
Professor L. A. Willoughby.	"Coleridge and Germany."
By Visitors:	
Mr. Leonard Chubb.	"The Activities of a Public Library in a Provincial Town."
Sir Arthur S. Eddington.	The Rickman Godlee Lecture: "The Constitution of the Stars."
Dr. W. L. Hildburgh.	"English Mediæval Alabaster Work."
Col. L. Newcombe.	"The National Central Library and its Work as a Centre for Library Co-operation."
Dr. R. Offor.	"The Formation of Special Collections in a University Library."

Mr. J. H. Pafford.	"Library Information Bureau and the use of Union Catalogues."
Dr. Nikilaus Pevsner.	"English Art: How it strikes a foreigner."
Dr. Herbert Read.	"Parallels in English Painting and Poetry."
Mr. Henry D. Roberts.	"The Relations of Library, Museum, and Art Gallery."
Dr. Solomon Rosowsky of Jerusalem.	"The Music of the Penateuch."
Professor A. M. Schlesinger of Harvard University.	"Social Forces in American History" (Eight lectures).
Pastor J. Smidt.	"Norsk Kirkeliv i det 20de Århundre."

Special University Lectures held at the College:

Professor O. Abel, University of Vienna.	"Palæobiology and Evolution" (Three lectures).
Professor C. H. Best, University of Toronto.	"The Rôle of the Liver in the Metabolism of Carbohydrate and Fat" (Three lectures).
Dr. G. C. Cheshire, Exeter College, Oxford.	"Some Recent Developments in Private International Law."
Professor J. Chevalier, University of Grenoble.	"Descartes."
Professor P. Collinet, University of Paris.	"Historical Jurisprudence and Sociology."
Professor P. Fouché, Institute of Phonetics, University of Paris.	"Questions de Phonétique française moderne" (Three lectures).
Professor William K. Gregory, Columbia Universtiy.	"The Evolution of Man from the Lower Vertebrates" (Three Lectures.
Dr. W. L. Hildburgh.	"The Medieval Enamels of Spain" (Three lectures).
Col. Sir Henry Lyons.	"Science Museums and the History of Science and Technology" (Three lectures).
M. Louis Madeline.	"L'Architecture: Cadre de la vie" (Three lectures).
Professor L. Ruzicka, Technical High School, Zürich.	"The Many-membered Carbon Rings"; "The Constitution of the Desqui- and Diterpenes."

EVENING AND VACATION COURSES, AND MEETINGS OF OUTSIDE SOCIETIES.

The Evening activities of the College are maintained, and the buildings are open on five evenings of the week for the purpose of special work, mainly of a post-graduate character.

In the *Evening and Postgraduate School of History*, the number of students enrolled for the current session is 71, compared with 101 last session. The work of the School is highly valued by school teachers and specialists in History. It is carried on in close co-operation with the Institute of Historical Research. Professor Norman Baynes found it necessary, by reason of the pressure of his other work, to relinquish the office of Director of the Evening School at the end of last session. Gifted with the power of communicating his own enthusiasm for historical studies to the many students who have been fortunate enough to come under his influence, he is an inspiring teacher; his students in the Evening School will have cause to remember with gratitude his devotion to the work and his unfailing interest in their welfare. Mr. Walter Adams has succeeded Professor Baynes with the title of Tutor to Students in the Evening School of History; he has the co-operation of Mrs. Olwen Brogan as Assistant.

There are 29 students in the *Evening School of Geography* this session, which is a decrease of 28 on the number of last session.

The decline in numbers in both these Evening Schools is explained on p. 21.

The *School of Phonetics and Spoken Language* attracts large numbers of teachers of Modern Languages, and its influence on methods of language teaching continues to spread. A considerable amount of its teaching work is done in the evening. Eighty evening students have registered so far this session. A Summer Vacation Course in Spoken English for Foreign Students was held in July and August 1933, also a Vacation Course for English Teachers of French. The former was attended by 61 students, representing 20 nationalities, the latter by 28 teachers. A further Vacation Course in English Phonetics was, at the request of the British Institute in Paris, arranged, for the first time, for Teachers of English of French nationality. It was attended by about 80 French visitors and was conducted with great success.

The meetings of the Philological Society, the British School of Archæology in Egypt, the Ancient Egypt Circle, the Viking Society for Northern Research, the Folk-Lore Society, the Geologists' Association, the Society of Radiographers, the Television Society, the Jewish Historical Society, and the University of London Law Society are held regularly in the College.

In addition to these, other Societies, including the Classical Journals Board, the London Branch of the Classical Association, the British Institute of Philosophy, the British Mycological and

Ecological Societies, the Genetics Society, the Biochemical Society, and the Biochemical Journals Board, have met from time to time.

The following have also held meetings at the College :—The Physiological Society of Great Britain, the University of London Psychological Society, the British Psychological Society, the Modern Humanities Research Association, the Modern Language Association, the English Goethe Society, the Central Jewish Consultative Council, the Union of Hebrew and Religion Classes, the University Section of the Library Association, the National Union of Students, the School Nature Study Union, the Social and Political Education League, the Parents' National Education Union, the Institute for the Scientific Treatment of Delinquency, and the London Regional Federation of the League of Nations Union.

The Twenty-second Annual Conference of Educational Associations was held at the College in January 1934 ; the annual Congress of the Chartered Society of Massage and Medical Gymnatics in September 1933.

The Anglo-American Conference of Historians, July 1933, the English Place-name Society, and the London Society of the University of Liverpool have dined in the College Refectory.

The Strolling Players Amateur Orchestral Society and the Westminster Orchestral Society hold their rehearsals at the College. The London Junior Orchestra and the London Rehearsal Orchestra have also met there.

Accommodation for three University Tutorial Classes is being provided this Session.

The Federation of London Working Boys' Clubs was again accommodated in the Slade School, in January 1934, for a Drawing Competition, and a student of the School assisted by judging the work.

ADMINISTRATION.

Colonel H. J. Harris, the first to hold the office of Senior Tutor, which was instituted in 1925, retired at the close of the Session 1932–33.

The following resolution was passed by the College Committee on 4th July, 1933 :—

> The University College Committee, on the occasion of the retirement of Colonel H. J. Harris, desires to place on record its grateful appreciation of all that he has done for the life of the College during his forty-seven years' association with it. He was one of the founders of organised student life in the College, and from undergraduate days onwards he has interested himself in all its varied aspects. In him the Union Society, the Athletic Clubs, the College Magazine, the Debating Society, the Officers Training Corps have had an untiring friend and supporter. These services have been freely given in a personal

and unofficial way. The College is also greatly indebted to him for his happy discharge of official duties entrusted to him as Tutor to Science Students and as Senior Tutor to the students as a whole. He has for some years been the chief intermediary between the College Authorities and the students in all matters affecting student discipline and student welfare. Gifted with perennial youth, he has never lost touch with students of a younger generation. He has always known just in what measure to temper justice with mercy and has ever been ready to recognise essential goodness of mind and heart in the most difficult of his pupils. The College Committee wishes him a long and happy time of rest and retirement.

(See also pp. 90, 112.)

The work of the Senior Tutor has so greatly increased in recent years, with the growing number of students, that the College Committee resolved to appoint two Senior Tutors to succeed Colonel Harris, one for the Faculties of Arts and Laws and the other for the Faculties of Science, Engineering, and Medical Sciences. Mr. L. Solomon, who has rendered such long and valuable service to the College in the varied offices of Senior Lecturer in Classics, Sub-Dean, and Tutor to Undergraduate Students in the Faculty of Arts, and Tutor to Journalism Students, has now assumed the additional duties of Senior Tutor in Arts and Laws. The serious operation which he was obliged to undergo last Easter, entailing his absence during the Third Term, was a matter of great regret to his many friends. During the period of his illness, Professor Norman Baynes and Professor C. J. Sisson kindly undertook respectively his duties concerned with Undergraduate Arts Students and with Journalism Students, while members of the administrative staff carried on the work in regard to Faculty meetings that normally devolves on the Sub-Dean. The College Committee are glad to record that Mr. Solomon has made an excellent recovery and was able to begin his new duties at the opening of the session. Dr. John Kirk, Senior Demonstrator in Anatomy and Sub-Dean and Tutor to Undergraduate Students in the Faculty of Medical Sciences, has been appointed Senior Tutor in Science, Engineering, and Medical Sciences. Mr. D. Orson Wood, Senior Lecturer in Physics, has succeeded Colonel Harris as Sub-Dean and Tutor to Undergraduate Students in the Faculty of Science.

Mr. W. H. Willsteed, Foreman of the College Buildings, who has been in the service of the College since 1905, sustained severe injuries in an accident which befell him on 18th July, 1933, while he was carrying out his duties in connection with Long Vacation works. He was granted leave of absence for six months from the time of his leaving the Hospital, and it is satisfactory to record that he is now making good progress. Mr. J. W. Lamdon has been appointed temporary Foreman during Mr. Willsteed's absence.

STUDENT LIFE.

STUDENTS' ACTIVITIES.

The Union Society and the Women's Union Society record another year of activity and progress. The Inter-Union Standing Committee continues its useful function as a co-ordinating link between the two Societies.

The programme for the Foundation Week of 1933 included an Oration by Mr. Ivor Brown on "Journalism in our Time"; the Women's Union Society At Home; performances by the Dramatic Society of Eugene O'Neill's "Marco Millions," skilfully produced by Mr. Hal Burton; a Debate, a Dinner, and a Ball.

The athletic activities of the Union Society have been well maintained, and College men have continued to take their share in University athletics. The College Athletic Club again won the Rosebery Cup for the greatest number of points at the University Athletic Sports, and the best individual performance was by a University College man. The Association Football Club regained the Inter-collegiate Cup and secured the Technology Cup last season, winning both the semi-final and final matches by five clear goals. The Rugby Football Club had the best season for many years, and also secured both the Inter-collegiate and the Technology Cups. Nine members played for the University, seven of them regularly. The Cross-Country Club had an exceptionally good season, winning all its seven matches. The first team carried off the Inter-collegiate Championship for the third year in succession, and all its members ran regularly for the University team, five of the University First Eight being College men. The Cricket Club, the College and Hospital Badminton Club, Racquet and Fives Club, and Rifle Club have all had their successes. The Hockey Club reached the Final in the Inter-collegiate Competition, and two members have played for the University. Three members of the Lawn Tennis Club played for the University and obtained Purples; the semi-final round of the Inter-collegiate Tournament was reached, but King's College won. The following College and Hospital Clubs also have good records for last season:—The Boxing Club finished fourth in the University Trials and in the contest for the Blott Cup; three members have boxed for the University. The Chess Club organised two tournaments in addition to the regular matches, and four of its members have played regularly for the U.L.A.U. Chess Club. The standard of the Swimming Club has been high, and two of its members, Aley-Eddine and Gilruth, hold the British Universities Championships for the 50 and 150 yards respectively. The Fencing Club won, often by a good margin, twenty out of thirty matches. One of its members, R. F. Tredgold, won the Junior Sabre title and came third in the Doyne Cup contest. The Rowing Club has a noteworthy record. It won the Allom Cup for the fifth year in succession and

entered its first crew for Henley, losing to the Reading Boating Club in the first round by one length. It also reached the Final at Marlow Regatta. The new racing eight, purchased at a cost of just over £110, is going well, and it is the great desire of the Union Society and the Rowing Club that the sum still outstanding on this account shall soon be cleared off.

Lady Bradford, who was accompanied by Sir John Rose Bradford, presented the prizes at the Annual College Sports last April, including the Lady Rose Bradford Cup for the Long Jump which she had most kindly given to the Athletic Club. Two individual performances on that occasion deserve special mention: Godfrey's 3 miles in 15 minutes and Hogwood's Long Jump of 22 feet.

In order to meet the heavier demands made on the Union Rooms, due to the increased numbers of recent years, and the general wear and tear, the Union Society have been obliged to embark on expenditure for a certain amount of refurnishing.

The athletic activities of the Women's Union Society have also flourished. Inter-collegiate Cups were won last season by the Rowing Club Junior Fours, the Second Seven of the Netball Club, and the First and Second Elevens of the Hockey Club. The last-named Club has made a specially good start this season by winning 13 out of 14 matches played. The Rugby Fives Club, which is one of the very few Women's Fives Clubs in this country, is also having a successful season, and the Rowing Club has for the first time beaten the University of Reading. Last season 27 members of the Women's Athletic Union played for the University, and 17 are playing regularly this season. The provision of the new Women's Changing Room with baths in the South Quadrangle meets a need that has long been felt. The Women's Union Society made a donation of 20 guineas to the University Athletic Ground at Motspur Park, near Wimbledon, to be spent on the development of the women's hockey pitch.

The two Union Societies have joined in several debates.

Both Union Societies have been continuing the work of redeeming the debts on the Athletic Grounds. A further reference to this is made in another section of this Report.

At the Games of the *Confédération Internationale des Etudiants*, held at Turin this Summer, eight members of the College participated in the events as representatives of the University of London Athletic Union. The College Committee showed their interest in the matter by making a grant of £30 to the University Athletic Union. In swimming, Miss D. F. Bennett was third in the 100 metres back-stroke and D. C. MacDonald sixth in the 400 metres free-style; D. McMillan was in the selected team, but failed to reach the Finals. In fencing, K. Kisch won two bouts of Individual Foil and lost three. In the 1500-metres race A. W. G. Godfrey was eighth; G. N. Blake was second in the 400-metres

heat, but was unsuccessful in the Semi-final. F. R. Ford and F. E. Hogwood competed for the High Jump and Long Jump respectively, but did not qualify for the Finals.

Members of the College continue to take their share in the work of the University Union. Mr. F. E. Warner, a present student, is President.

Under the stimulating direction of Mr. C. T. Lofthouse, the College and Hospital Music Association continues to promote the musical side of College life. In addition to arranging a very successful annual concert of its own, it has arranged informal concerts and musical programmes in connection with College functions.

The Lunch-Hour Concerts, which are arranged by the Music Association, are attended by large numbers of members of the College, and are greatly appreciated. Thanks are due to the following artistes who have kindly assisted in the concerts that have been arranged since the issue of the last Report ; their names are given in the order of their recitals :—Miss Sheila Collins (Violin), Miss Joyce Juler (Violin), Miss Mollie O'Halloran (Viola), and Miss Gladys Morgan ('Cello) ; Miss Enid Stacy (Piano) ; the Silverman Quartet —Mr. Edward Silverman (Violin), Mr. Woolf Mernick (Violin), Mr. Douglas Thomson (Viola), Mr. Peter Beavan ('Cello), with Miss Catherine Wendol (Soprano) ; members of the Trinity College of Music ; the West of London Trio—Miss Dorothy Callender (Piano), Miss Gladys Noon (Violin), and Miss Marjorie Edes ('Cello) ; the Rawlins Quartet—Miss Bessie Rawlins, Miss Dorothea Christison, Miss Dorothy Jones, and Miss Edith Hanson ; Students of the Royal Academy of Music ; Mr. Stanley Thurlow (Piano), Mrs. C. A. Hart and Mr. Harry Bailley (Songs) ; Miss Eiluned Davies (Piano), and Miss Margaret Meachen (Violin) ; Mr. Madoc Davies (Songs). Small informal concerts have also been arranged from time to time.

The dramatic activities of the College have been carried on with great enthusiasm, and the high standard that has been set by the Dramatic Society in recent years has been maintained. The Christmas production consisted of " The Merry Devil of Edmonton " and Bernard Shaw's " Dark Lady of the Sonnets," both produced by Mr. J. F. Spalding. The University of London Spanish Society were granted facilities for performances in the Gymnasium in February, 1933, of Lope de Vega's " El Remedio en la Desdicha," which met with such success that it was repeated in March. Students of the College took part in the production.

This year marks the Tenth Anniversary of the annual week of " The Little Plays of St. Francis," by Mr. Laurence Housman, which has formed such a feature of the Dramatic Society's work year by year. The production of these Franciscan Plays at the College was initiated in 1925 by the late Dr. Walter Seton, and as long as they continue to be performed in the College they will be closely associated with his memory. The keen interest, both inside and outside the College, that continues to be shown in them

is a tribute to the beauty of the Plays, the sincerity of the student players, and the care and skill of the production. Mr. John Richmond was again the producer in January 1934, and the two series which were presented in six evening performances and two matinees included three Plays which had not previously been performed and which are unpublished. Mr. Laurence Housman has always taken the keenest personal interest in the College production of his Plays, and appeared himself in the Epilogue, which met with such a favourable reception last year that it was repeated this year. A noteworthy tribute to the reputation that has been achieved by the Dramatic Society in this connection was the invitation extended to them by the British Broadcasting Corporation to broadcast one of the Plays, *House of Bondage*, on the National and Empire Programmes on Sunday, 7th January. The week's proceeds are mainly devoted to charities, including the St. Christopher's Working Boys' Club.

It is impossible to present a detailed record of the various College societies that are at work. The following have sent in reports that show considerable activity :—The Ancient History Circle, the Botanical Society, the Chemical and Physical Society, the Classical Society, the Geographical Society, the German Society, the Greenough Club (Geology), the Italian Society, the Librarianship Students' Association, the Mathematical and Physical Society, and the Psychological Society. Special mention may, perhaps, be made of the enterprise of the Geographical Society in securing a lecture, illustrated by lantern and film, by Mr. Augustine Courtauld on "The British Arctic Air Route Expedition," which naturally created a great deal of interest. Another important event was the Joint Meeting of the Chemical and Physical Society with the Mathematical and Physical Society, when Sir Arthur S. Eddington spoke on "The Expanding Universe."

The Faculty of Arts Society, the University of London Law Society, the Faculty of Science Society, and the College Medical Society have all done valuable service in promoting the welfare of their respective Faculties.

The Engineering Society (founded in 1884) are to be congratulated on the celebration of their Jubilee this year. The occasion was marked by a dinner in the College Refectory on 16th November, 1933, when Mr. Roger Smith, a Founder Member of the Society, occupied the Chair. It is also a happy coincidence that Professor Coker, to whom the Society has owed so much in recent years, has just completed twenty years in the office of President. The College Committee expressed their interest in the Society by the gift of thirty wheel-back Windsor chairs for its room, which was re-decorated and re-lighted in the Long Vacation of 1933.

One new College Society has been formed during the twelve months under review, namely, the Ramsay Society of Chemical Engineers.

The College Guide and Scout Clubs continue their activities.

The College branches of the Student Christian Movement, the London Inter-Faculty Christian Union, and the University of London Catholic Society have held regular meetings and services. The two former also meet in study circles.

The Old Students' Association and the Guild of Graduates have continued their important work of keeping past and present students in touch with one another and with College and University movements. Mr. Roger Smith is now President of the Old Students' Association, and Mr. C. A. Hart has succeeded Dr. H. E. M. Barlow as Honorary Secretary. The activities of the past year included a Television demonstration and a visit to the Ford Motor Car Works at Dagenham. The Annual Dinner was held on 12th January, 1934, with the President in the Chair, and Professor Sir William and Lady Rothenstein, Mr. Jan and Mrs. Cora Gordon, Colonel and Mrs. H. J. Harris, and Sir Alexander Gibb as guests. An interesting event has been the painting of a fresco, commemorating the Centenary Celebrations of 1927, on the east wall of the Association's room. Mr. G. Grayston, of the Slade School, was commissioned by the O.S.A. to design and execute the work, which was unveiled by the Chairman of the College Committee, Professor Sir John Rose Bradford, Bt., prior to the Assembly of Faculties on 6th July, 1933. Dr. Paul Haas has succeeded Professor Clinton as Master of the Guild of Graduates. The Guild arranged the usual complimentary dinner to new graduates on 9th May, the eve of Presentation Day.

The St. Christopher's Club for Working Boys in the neighbourhood of the College provides a practical outlet for social work on the part of the students. A Gymnastic Display by the boys, at which the Provost presided, was held in the College Gymnasium on 3rd May, 1933. The usual Senior Summer Camp was held in 1933 at Walmer, and a Summer Outing was arranged for the Juniors. Dinners for the Old Boys and Seniors, respectively, and a treat for the Juniors, form part of the regular programme, and are held in the College Refectory.

THE ATHLETIC GROUNDS.

Reference has been made year by year in these Reports to the debts on the Athletic Grounds of the Union Society and the Women's Union Society at Perivale. These debts have been incurred through circumstances over which the students had no control. In the case of the Men's Ground, the making of a new by-pass road cut off a large area, and involved the acquisition and relaying of new ground, to meet the cost of which the compensation received was inadequate. Further, it became necessary to enlarge the pavilion accommodation, in order to meet the demands of increasing numbers, at a cost of £2,500. As a result of the strenuous efforts of the Union Society, aided by friends of the College, the total debt has been reduced to £2,650, which is £200 less than at the corresponding time last year.

The Women's Union Society have succeeded, during the past twelve months, in reducing the debt on their ground by a further sum of £256, and it now stands at £130, compared with the original figure of £1,900. They have, however, been obliged to embark on additional expenditure to meet the heavier demands made on the accommodation by the increase in recent years of the membership of the Women's Athletic Union. Structural alterations have been made in the pavilion and extra baths, a shower and more wash-basins provided, at a total cost of £250.

THE HALLS OF RESIDENCE.

A description of the new building of College Hall, London, in Malet Street, opened by Her Majesty the Queen on 10th November, 1932, was given in the last Report. The benefit of the excellent accommodation has been reflected in the active social life and general well-being of the community, and there is a record of steady progress during the past twelve months. The residents of last session were drawn from many countries, including the Overseas Dominions, India, Egypt, the United States, and several of the European countries; seventeen were postgraduate students. The study-bedrooms, providing accommodation for 112 students, are already proving too few to meet the increasing number of applicants for admission, and the Council are hoping shortly to build an extension to accommodate a further 60, with a certain number of rooms at a lower fee than has hitherto been possible.

By the death of Dr. Mary Brodrick, the Hall has lost a generous friend of many years' standing, who had always taken the closest personal interest in its welfare and who had done all in her power to promote the happiness of the residents. A generous legacy under her Will is the last of many gifts received from her.

Mr. H. W. Acomb, who followed Dr. E. H. Thierry as Warden of University College Hall, Ealing, in 1932, was obliged by pressure of his other duties to resign the office at the close of the Session 1932–33. Mr. A. S. Gilbert, Tutorial Assistant in the Faculty of Laws, has succeeded him. The Hall, with its extended accommodation, is not quite full this session, but, if the entry of new students is maintained at its present level, there is good reason to expect it to be full next session. Further developments are planned, but they are at present somewhat hampered by the extent of the debt incurred by the building of a new wing three years ago.

THE WINIFRED SMITH AND MAUDE FOSTER MEMORIAL

(The Old Forge, Chiddingly.)

The Chairman of the Committee of Management of the Winifred Smith and Maude Foster Memorial, which is held in trust for the benefit of the Women Students and the Women Members of the

Staffs of the College and of College Hall, London, reports that during the period from 1st August, 1932 to 31st July, 1933, forty-one persons stayed at the Old Forge Cottage.

The late Sir Gregory Foster bequeathed to the University, for the benefit of this Trust, the freehold property adjoining The Old Forge, known as "Sunnyside." As this bequest was made in memory of his wife, the Trust is known as the Winifred Smith and Maude Foster Memorial.

A grant of £10 from the Crabb Robinson Fund has again been received for the Maintenance Fund.

Miss Edith Goodyear is Chairman of the Committee of Management, Dr. Elizabeth A. Fraser, Hon. Treasurer, and Miss H. Winifred Husbands, Hon. Secretary.

SPECIAL EVENTS.

Visit of the Chancellor (the Rt. Hon. The Earl of Athlone) and H.R.H. Princess Alice.

Opening of New Science Library and new buildings of Department of Zoology and Comparative Anatomy.

On Monday, 12th June, 1933, the Chancellor visited the College for the purpose of opening the new Science Library and the new buildings of the Department of Zoology and Comparative Anatomy (see p. 27). Luncheon was served in the new Science Library, many prominent members of the University and other distinguished guests being present. After declaring the Library open, the Chancellor proceeded to the new site, south of the College, on the eastern side of which the Department of Zoology is situated. At the entrance to the courtyard of this site, the Earl of Athlone unveiled a tablet commemorating the fact that, by order of the College Committee, that part of the College had been named Foster Court in memory of the first Provost, the late Sir T. Gregory Foster, Bt.

H.R.H. Princess Alice, Countess of Athlone, honoured the ceremony in the Department of Zoology by her presence. Among the guests were many prominent members of the University, of other Universities, and of scientific bodies. Professor Sir John Bradford, Bt., Chairman of the College Committee, occupied the Chair. At the close of the Chancellor's speech, the Jodrell Professor of Zoology, Dr. D. M. S. Watson, thanked H.R.H. Princess Alice and the Earl of Athlone for their presence. Tea was served, and, after the Chancellor's party had viewed them, the new premises were open for inspection.

In connection with the laying of the Foundation Stone of the new University Headquarters by His Majesty the King on Monday, 26th June, 1933, the College Committee were glad to place at the disposal of the University Authorities such facilities of the buildings and servant staff as were desired. The Provost entertained some of the delegates at dinner in the College before the University Reception in the evening.

On 24th January, 1933, the Second Alfred Fripp Lecture was delivered in the Great Hall of the College by the Rt. Hon. Lord Baden-Powell of Gilwell, Dr. M. J. Rendall, sometime Headmaster of Winchester College, presiding. The lecture, which is an annual one on the subject of Happiness and Success, was founded by the bequest of the late Sir Alfred Fripp, the eminent surgeon. The Provost received Lady Fripp, Lord and Lady Baden-Powell, and other invited guests at tea before the lecture.

On Friday, 28th April, the Annual Fellows' Dinner was held to commemorate the laying of the First Foundation Stone of the College by H.R.H. The Duke of Sussex on 30th April, 1827. Professor Sir John Rose Bradford, Bt., presided. The toast of The College was proposed by Sir Denison Ross, the Provost responding.

On 25th May, the Library Association were the guests of the College Committee for the opening ceremony of their new building, Chaucer House, in Malet Place, which was held in the Great Hall. The President of the Library Association, Sir Henry Miers, took the Chair, and Lord Irwin, President of the Board of Education, delivered the Address. Among those present were Mrs. Andrew Carnegie, the Earl of Elgin, and Lord Balniel. A luncheon was served in the Exhibition Room prior to the ceremony.

On 20th June, a luncheon was given to the Royal Institute of British Architects, the Provost presiding. The toast of the guests was proposed by Sir Andrew Taylor, Chairman of the Architectural Education Committee; Sir Raymond Unwin, the President, responded.

On 29th June, the Tenth Dinner to the Ramsay Memorial Fellowship Trustees and the Ramsay Memorial Fellows was held, the Provost presiding. Lady Ramsay was present, and H.E. The Greek Minister was among the guests.

On Saturday, 29th July, the Vice-Chancellor of the University of Bristol conferred on Professor Elliot Smith, at a small ceremony in the Exhibition Room, the Honorary Degree of D.Sc. of that University. The Provost gave a luncheon after the ceremony.

On 17th November, H.R.H. The Crown Prince of Sweden attended a lecture delivered by Lord Rennell of Rodd in the Great Hall for the Anglo-Hellenic League.

On 28th November, the Provost and Mrs. Mawer held a reception at the College to celebrate the granting of the Royal Charter to "University College, London" by His Majesty King William IV.

on 28th November, 1836. The Charter, with other documents illustrating the foundation of the College, was on view. A concert was arranged by the College and Hospital Music Association, and there was dancing in the Great Hall.

On 8th December, Colonel and Mrs. H. J. Harris were entertained at dinner in the Refectory, in connection with the former's retirement at the close of the Session 1932–33. The Provost was in the Chair, and a large number of past and present members of the College attended. Professor Chambers proposed the toast of the guest of the evening. Later, when the company had adjourned to the Exhibition Room, he also, acting on behalf of the subscribers, presented to Colonel Harris a sectional mahogany bookcase, bearing a brass plate with a suitable inscription.

Armistice Day.

As Armistice Day, 1933, fell on a Saturday, the customary commemoration at the College was not held. A Wreath of Remembrance was placed around the names, in the South Cloisters, of those members of the College who gave their lives in the Great War.

APPENDIX I.

Return of Attendances of the Members of the College Committee from 1st March, 1933, to 31st January, 1934.

Members of College Committee.	Attendances.		
	College Committee. 7 Meetings.	Managing Sub-Committee. 9 Meetings.	Special Sub-Committees.
Chairman (Sir John Bradford, Bt.) *	6	9	19
Vice-Chairman (Lord Meston) *	4	0	1
Treasurer (Mr. A. D. Besant) *	7	7	9
Treasurer (Lord Loch) *	3	0	2
Provost (Dr. Allen Mawer) *	7	9	19
Mr. A. B. Ashby *	3	6	4
Mr. H. Arthur Baker *	4	4	6
Dr. L. F. Bates	7	—	—
Prof. R. W. Chambers *	6	8	7
Sir Robert Waley Cohen *	2	5	4
Prof. E. G. Coker *	6	3	3
Prof. J. C. Drummond *	4	5	—
Sir Alexander Gibb *	2	5	3
Brev.-Col. H. J. Harris *	5	7	—
Dr. David Heron	3	—	7
Prof. G. B. Jeffery *	7	7	10
Dr. G. W. Keeton	6	—	—
†Mr. G. I. H. Lloyd *	5	8	5
††Sir Ernest Moir, Bt., the late	0	—	—
Mr. Roger Smith *	3	5	4
Sir Andrew T. Taylor *	6	9	14
Miss A. Tomes	4	—	—
Mr. Wilfred Trotter	6	—	3

* Member of Managing Sub-Committee.
† Appointed 22nd March, 1933.
†† Died 14th June, 1933.

APPENDIX II.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS (1932–33).

	Under-graduate.	*Postgrad. and Research.*	*Evening.*	*Vacation Courses.*	*Totals.*
London	618	121	159	2	900
30 Miles Radius	641	109	79	8	837
United Kingdom (other than above)	558	108	47	37	750
Irish Free State	8	3	2	—	13
AFRICA—					
Abyssinia	1	—	—	—	1
Algeria	—	—	—	2	2
Brit. E. Africa	2	—	—	—	2
Egypt	15	4	—	—	19
Mauritius	4	—	—	—	4
Nigeria	1	1	—	—	2
South Africa	12	7	1	—	20
Sudan	3	—	—	—	3
West Africa	2	—	—	—	2
AMERICA—					
Canada	7	8	—	—	15
United States	26	16	2	1	45
West Indies	12	—	—	—	12
ASIA—					
Burma	4	1	—	—	5
Ceylon	8	6	—	—	14
China	7	5	—	—	12
India	99	50	—	1	150
Iraq	1	2	—	—	3
Japan	4	7	—	—	11
Korea	1	—	—	—	1
Palestine	16	—	—	—	16
Persia	9	—	—	—	9
Straits Settlements, Malaya and East Indies	8	—	—	—	8
Turkey	3	—	—	—	3
AUSTRALASIA—					
Australia and Tasmania	3	18	2	—	23
New Zealand	3	15	—	—	18
Carried forward	2076	481	292	51	2900

	Under-graduate.	*Postgrad. and Research.*	*Evening.*	*Vacation Courses.*	*Totals.*
Brought forward	2076	481	292	51	2900
EUROPE—					
Austria	3	—	1	2	6
Baltic States	6	—	—	—	6
Belgium	7	—	—	—	7
Czechoslovakia	7	2	—	—	9
Denmark	3	1	—	—	4
Finland	—	1	—	—	1
France	12	1	—	7	20
Germany	41	—	2	12	55
Greece	2	1	—	—	3
Holland	11	1	—	6	18
Hungary	1	—	—	1	2
Italy	14	1	—	—	15
Jugoslavia	1	—	—	2	3
Luxemburg	2	—	—	—	2
Norway	14	—	—	2	16
Poland	6	1	1	—	8
Portugal	1	—	1	—	2
Roumania	3	2	—	—	5
Russia	1	—	—	—	1
Spain	5	—	—	—	5
Sweden	4	3	—	3	10
Switzerland	17	1	—	5	23
	2237	496	297	91	3121

SUMMARY.

British Isles	2500
Rest of the Empire	278
Other parts of the World	343
	3121

APPENDIX III.

UNIVERSITY OF LONDON, UNIVERSITY COLLEGE

ACCOUNTS

For the Year ended 31st July, 1933.

College Establishment—Income and Expenditure.

General Balance Sheet.

UNIVERSITY OF LONDON,

Dr. COLLEGE ESTABLISHMENT INCOME AND EXPENDITURE

EXPENDITURE.		1932–33. £ s. d.	£ s. d.	1931–32. £ s. d.
I. Ordinary Expenditure :—				
To Administration :—				
Salaries of Administrative Officers and Clerical Staff, including Insurance		12,406 0 0		12,174 4 10
Payments for Superannuation and Pension on behalf of Administrative Staff		1,045 12 6		1,051 9 2
Advertising		305 0 1		285 12 1
Printing, Stationery, Postages, and Telephone		3,143 2 4		3,331 7 2
Auditor's and Legal Fees		317 19 8		223 5 1
Other Expenses		117 9 4		110 0 0
			17,335 3 11	17,175 18 4
To Departmental Maintenance :—				
Salaries of Teaching Staff :—				
Professorial	£45,821 16 6			
Non-Professorial	68,515 9 8			
		114,337 6 2		110,704 14 1
Payments for Superannuation and Pension on behalf of Teaching Staff		10,036 11 0		9,832 16 10
Public Lectures		472 9 9		507 0 0
Departmental Wages (including Insurance)		12,832 8 3		12,480 10 0
Departmental and Laboratory Maintenance met from General Income		7,696 16 3		6,787 7 1
Departmental and Laboratory Maintenance met out of Apparatus Reserve Fund (*per contra*)		2,513 16 6		2,581 13 2
Departmental and Laboratory Maintenance met out of Trust and Special Funds and Donations		4,704 1 8		3,445 11 5
Salaries of Librarian and Library Staff		3,326 1 9		3,180 1 11
Payments for Superannuation and Pension on behalf of Library Staff		230 10 0		211 10 0
Libraries		3,806 3 4		3,364 17 5
			159,956 4 8	153,096 1 11
To Maintenance of Premises :—				
Rates and Insurance		7,224 12 0		7,309 19 2
Heat, Light, and Water (including Wages of Stokers)		6,856 7 10		6,272 2 11
Ordinary Repairs and General Maintenance of Buildings		7,603 7 11		6,929 18 9
Wages of Porters and Attendants (including Insurance)		8,857 14 2		8,372 18 8
Grounds		172 5 10		184 15 8
Household Stores		462 7 10		577 9 6
Crabb-Robinson Fund (for Athletic Grounds, Halls, etc.) (*per contra*)		191 10 0		191 10 0
			31,368 5 7	29,838 14 8
To Pensions —				
To Retired Members of Staff, met out of :—				
Trust Funds (*per contra*)		463 0 0		463 0 0
Superannuation Fund No. 1 (*per contra*)		400 0 0		400 0 0
General Income		862 0 0		820 6 8
To Retired Servants, met out of General Income		503 14 4		426 14 3
			2,228 14 4	2,110 0 11
To Other Educational Expenses :—				
Examiners' Fees			110 0 0	83 4 6
To Rents and Other Payments for Use of Buildings			2,297 10 6	2,096 12 10
To Fellowships, Scholarships, and Prizes :—				
From Endowments		2,813 9 9		2,966 2 9
From General Income		963 4 7		1,071 18 4
From General Income (Exhibition Bursaries) and Special Fee Remissions (*per contra*)		688 17 8		371 3 10
From School of Librarianship Fund		81 17 6		40 2 0
From Special Donations (*per contra*)		571 15 0		115 6 6
From War Memorial Fund (*per contra*)		31 10 0		—
			5,150 14 6	4,564 13 5
Carried forward			£218,446 13 6	£208,965 6 7

UNIVERSITY COLLEGE.

Account for Year ended 31st July, 1933. *Cr.*

INCOME.	1932-33. £ s. d.	1932-33. £ s. d.	1931-32. £ s. d.
I. Ordinary Income:—			
By **Endowments** (Trust Funds):—			
Appropriated for Salaries of Teaching Staff	11,282 15 4		10,258 19 10
Appropriated for Scholarships and Prizes	2,813 9 9		2,966 2 9
Appropriated for Faculty of Medical Sciences (Holme and Rockefeller Sustentation Funds)	14,402 6 11		14,391 13 4
Appropriated for Chemical Engineering and Galton and Biometric Laboratories	6,737 13 2		6,438 9 11
Appropriated for Athletic Grounds, Halls, etc. (Crabb-Robinson Fund) (*per contra*)	191 10 0		191 10 0
Appropriated for Retired Professors' Pensions (*per contra*)	463 0 0		463 0 0
Appropriated for purposes other than above	5,130 16 11		4,030 6 4
		41,021 12 1	38,740 2 2
By **Donations and Subscriptions**:—			
From Private Individuals:—			
Appropriated for General Purposes	9 0 0		--
Appropriated from Donations for Special Purposes	29 8 5		35 11 11
Appropriated to meet Scholarships and Bursaries (*per contra*)	571 15 0		115 6 6
Appropriated to meet Apparatus charges	45 4 11		28 3 0
Italian teaching through H.E. the Italian Ambassador	300 0 0		300 0 0
		955 8 4	479 1 5
By **Special Funds** (appropriated to meet expenditure):—			
Salaries Fund	5,205 0 0		1,430 0 0
Applied Statistics and Eugenics	2,942 4 0		2,449 10 10
School of Librarianship	2,712 10 5		2,658 6 11
German Library	150 17 4		118 15 0
History of London Library	49 11 11		102 17 1
University Observatory	192 6 1		133 18 10
Special Apparatus Reserve Fund (*per contra*)	2,513 16 6		2,581 13 2
Students' Purposes Fund	1,134 12 6		1,255 16 6
Superannuation Fund No. 1 (*per contra*)	400 0 0		400 0 0
War Memorial Scholarships Fund (*per contra*)	31 10 0		—
Library Deposits Fund	14 9 5		12 11 5
		15,346 18 2	14,143 9 9
By **Grants allocated by the Court of the University**:—			
Block Grant	100,234 13 4		100,068 0 0
Less Transferred to Special Funds:—			
Salaries £6,725 0 0			
Applied Statistics and Eugenics 2,600 0 0			
School of Librarianship 1,500 0 0			
German Library 105 0 0			
History of London Library 100 0 0			
	11,030 0 0		10,755 0 0
	89,204 13 4		89,313 0 0
Additional Grants for Evening Schools	1,900 0 0		1,300 0 0
Home Counties Grant	2,648 0 0		3,186 0 0
		93,752 13 1	93,799 0 0
Carried forward		£151,076 11 11	£147,161 13 4

UNIVERSITY OF LONDON,

Dr. COLLEGE ESTABLISHMENT INCOME AND EXPENDITURE

EXPENDITURE (*cont.*).		1932-33. £ s. d.	1931-32. £ s. d.
Brought forward		218,446 13 6	208,965 6 7
I. Ordinary Expenditure (*cont.*) :—			
To **Students Societies** :—			
Payments to Union Societies :—			
University College, London	4,210 10 0		4,166 18 6
University of London	430 0 0		483 10 0
Other Payments from Students' Purposes Fund	150 0 0		170 0 0
		4,790 10 0	4,820 8 6
To **Other Expenses** :—			
Institute of Historical Research—Grant to Library (American History Fund)	86 0 3		267 11 7
Travelling Expenses (Commonwealth Fund)	35 0 0		150 0 0
Working Men's Societies (Peel Fund)	14 1 7		73 8 1
Miscellaneous Expenditure	1,210 12 5		986 2 6
		1,345 14 3	1,477 2 2
To Excess Income over Expenditure carried forward		5,811 1 9	10,402 16 8
		£230,393 19 6	£225,665 13 11

UNIVERSITY COLLEGE.

ACCOUNT FOR YEAR ENDED 31ST JULY, 1933 (*cont.*). *Cr.*

INCOME (*cont.*).		1932-33. £ s. d.	1932-33. £ s. d.	1931-32. £ s. d.
Brought forward			151,076 11 11	147,161 13 4
I. Ordinary Income (*cont.*) :—				
By **Grants received through the Court of the University** :—				
Chadwick Trustees		200 0 0		200 0 0
Drapers' Company (Applied Statistics) :—Grant		—		500 0 0
Rhodes Trustees		—		200 0 0
Cassel Trustees		157 10 0		157 10 0
			357 10 0	1,057 10 0
By **Fees** :—				
General (including £2,289 14*s.* 7*d.* for Intercollegiate Teaching)		78,026 7 0		75,749 6 10
Examination and Registration Fees		564 11 6		453 18 0
Fees in consideration of Exhibition Bursaries (*per contra*)		688 17 8		371 3 10
		79,279 16 2		76,574 8 8
Less Intercollegiate Fees paid	£1,326 0 11			
Fees transferred to Special Funds :—				
Ramsay Memorial (Chemical Engineering)	816 15 0			
School of Librarianship	1,441 5 0			
		3,584 0 11		3,496 3 4
			75,695 15 3	73,078 5 4
By **Other Income** :—				
Interest and Dividends :—				
Bank and other Interest		87 9 6		625 15 8
James Eccles Bequest		—		48 7 4
Lady Goldsmid and Jonathan Brundrett Funds		—		269 9 0
Maintenance Fund (including Bawden)		871 0 7		1,010 8 9
Houses and Land		1,216 10 7		1,258 2 6
Societies (for Service, etc.)		133 3 7		158 10 2
Lockers		314 3 0		304 5 6
Sale of Calendars, etc.		9 13 4		6 9 2
Administrative Charges made against Special Funds		120 15 2		121 4 4
Apparatus and Keys		130 12 9		184 7 2
Carpenters' Company Grant—appropriated to meet expenditure on books		—		2 18 6
University of Cambridge—Retaining Fee in respect of Lectures in Scandinavian		75 0 0		75 0 0
Miscellaneous		305 13 0		303 7 2
			3,264 2 4	4,368 5 3
			£230,393 19 6	£225,665 13 11

UNIVERSITY OF LONDON,

Dr. COLLEGE ESTABLISHMENT INCOME AND EXPENDITURE

EXPENDITURE (*cont.*).	1932-33. £ s. d.	1931-32. £ s. d.
II. **Extraordinary Expenditure:—**		
To Library for Books and Binding	111 11 0	235 10 0
,, Pension Reserve Fund	584 0 0	646 0 0
,, Laundry Alterations	—	641 3 4
,, Reheating of Slade School and South Boiler Replacement	—	626 0 0
,, Henry Morley Equipment and Alterations	—	1,078 0 0
Chemistry Department—Research (Imperial Chemical Industries, Ltd.)	360 19 7	556 14 10
,, Ditto —Replacement of Boilers	—	757 0 0
,, Ditto —Gas Fired Steam Boiler	—	294 0 0
,, Medical Sciences (Rockefeller Foundation Benefaction) Special Apparatus and Equipment	—	236 5 0
,, Ditto ditto Alterations to Animal House	55 0 0	—
,, Ditto ditto Thane Library for books and binding.	59 2 2	—
,, Motor Cycle Shed—cost of erection	12 2 5	—
,, No. 134 Gower Street Alterations	—	207 1 1
,, Alterations to Women's Cloak Room	—	234 17 3
,, Main Quadrangle—Alterations to Gates and Re-surfacing	—	386 5 6
,, Nos. 114/116 Gower Street—Repairs to Roof	—	126 0 10
,, Telephone Room—Alterations	—	39 14 9
,, Accommodation Fund—Cost of alterations to Main Building	5,365 12 7	—
,, Amount reserved out of excess of Income over Expenditure for Redemption of Capital Expenditure (£10.000) incurred in accommodation under authority of the Court	5,000 0 0	5,000 0 0
,, Balance of Excess of Income over Expenditure carried to Balance Sheet	—	576 13 11
,, Ditto ditto transferred to Accommodation Fund	295 11 10	—
	£11,843 19 7	£11,641 6 6

UNIVERSITY COLLEGE.

Account for Year ended 31st July, 1933 (*cont.*). *Cr.*

INCOME (*cont.*).	1932-33. £ s. d.	1931-32. £ s. d.
By Excess Income over Expenditure brought forward	5,811 1 9	10,402 16 8
Extraordinary Income :—		
By Treasury Non-Recurrent Grant (1929-30) Appropriated to meet expenditure on Library (for Books and Binding)	111 11 0	235 10 0
,, Chemistry Department—Research (Imperial Chemical Industries, Ltd.)	360 19 7	556 14 10
,, Rockefeller Foundation Benefaction. Appropriated to meet expenditure on Medical Sciences, Special Apparatus, and Equipment	—	236 5 0
,, Ditto ditto Appropriated to meet expenditure on Animal House	55 0 0	—
,, Ditto ditto Appropriated to meet expenditure on Thane Library	59 2 2	—
,, Ditto ditto ditto in 1931-32	68 10 1	—
,, Motor Cycle Shed Rents. Appropriated to meet costs of erection	12 2 5	—
,, No. 134 Gower Street—Amount received for right of support of wall	—	210 0 0
,, Accommodation Fund. Appropriated towards cost of alterations to Main Building	5,365 12 7	—
	£11,843 19 7	£11,641 6 6

UNIVERSITY OF LONDON,

General Balance Sheet of the

LIABILITIES AND CAPITAL.

	£ s. d.	£ s. d.
College General Capital Account:—		
Balance, 31*st July*, 1932	709,457 12 9	
Add: Ramsay Chemical Engineering Building Fund	2,390 16 10	
Engineering Building Extension Equipment	95 7 11	
Accommodation Fund—Amount used towards purchase of Upper Gower Mews	2,075 13 5	
War Memorial Scholarships Fund—Dividends invested	121 18 3	
Endowment of Teaching—Donations and Dividends invested	172 17 9	
		714,314 6 11
Trust Funds	925,002 15 11	
Less University College General Account	593 1 4	
		924,409 14 7
Building and Equipment (Works in Progress) Account	.....	11,519 18 9
Redemption Fund Accounts:—		
Great Hall (All Saints' Church)	26,265 6 2	
Cycle House	21 14 2	
1 Gordon Street	429 9 3	
114 and 116 Gower Street	260 13 6	
"Hawarden Castle"	506 3 11	
21 Gordon Square Lease	2,530 0 0	
24 Gordon Square Lease	1,380 0 0	
Upper Gower Mews Leasehold	369 0 0	
		31,762 7 0
Miscellaneous Capital Funds:—		
Accommodation Fund	7,897 10 4	
Gower Street Front Fund	164 16 5	
Zoology Site, Building and Equipment Fund	18,106 11 1	
Library Accommodation Fund	1,363 16 11	
Mocatta Library Reconstruction Account	18 13 0	
		27,551 7 9
Superannuation Funds held on behalf of Beneficiaries	.....	15,585 18 0
Loan Fund Accounts:—		
College	143 19 4	
W. W. Rouse Ball	158 11 0	
Madeleine Cole	20 16 2	
M. J. M. Hill	47 8 3	
		370 14 9
Agnes S. Paul Prize Fund	.....	6 18 3
University Observatory—Grant from University of London, Deposit Interest and Donations—as at 31st July, 1931	.....	5,183 19 7
Pension Reserve Fund	.....	2,817 19 1
Special Fund Accounts:—		
Salaries Fund	7,334 17 7	
Applied Statistics and Eugenics	185 15 11	
School of Librarianship	1,770 15 5	
History of London Library	339 14 8	
German Library	32 15 3	
University Observatory—Maintenance and Equipment	6 17 0	
Special Apparatus and Equipment Reserve Fund	7,699 12 8	
Other Apparatus and Equipment Reserve Fund	553 8 10	
Students' Purposes Fund	512 16 4	
Egyptology Fund	1,356 19 8	
Superannuation Fund No. 1	125 10 1	
War Memorial Scholarship Fund	96 11 11	
Library Deposits	162 5 11	
		20,228 1 3
Carried forward		£1,753,751 5 11

UNIVERSITY COLLEGE.

College at 31st July, 1933.

ASSETS.

		£ s. d.	£ s. d.
College Freehold Lands, Buildings, Furniture, Library, etc., being the Land with the Buildings of the College and the Buildings Extensions, at the Approximate Valuation of August 1897 (as per last Balance Sheet)		186,000 0 0	
Physiology Institute, at cost to 31st August, 1912		21,842 14 10	
Pharmacology Institute, at cost to 31st August, 1915		5,544 19 3	
Egyptology Collection, at cost on 15th October, 1915		5,850 0 0	
New Chemistry Building, being the Freehold Land with the Buildings, Fittings, etc., at cost to 31st August, 1931 (as per last Balance Sheet)		106,169 2 6	
The Bartlett School of Architecture and Eugenics Buildings (being the cost of the Buildings, Fittings, etc., at the approximate valuation on 31st July, 1921)		37,000 0 0	
Great Hall—Cost of All Saints' Church ...	£6,462 8 10		
Cost of Reconstruction, Alterations, and Furnishing to 31st July, 1932	23,716 8 9		
		30,178 17 7	
General College Heating: additional cost to 31st August, 1919		2,504 7 10	
Cycle House, at cost to 31st July, 1923		403 10 1	
Sculpture Studios: additional cost to 31st July, 1924.....		5,532 5 5	
Engineering Building, Extension and Equipment, at cost to 31st July, 1927	£56,369 3 3		
Add Additional Cost to 31st July, 1932 ...	8,125 13 2		
		64,494 16 5	
Medical Sciences (Rockefeller Foundation Benefaction) being the Freehold Land with the Buildings, Fittings, Equipment, etc., provided by the Rockefeller Foundation at cost to 31st July, 1931		186,056 19 10	
Reconstruction of Science Library and Fireproof Floor in General Library— Cost to 31st July, 1931		17,072 11 0	
Refectory Kitchen Extension		2,000 0 0	
Ramsay Chemical Engineering Laboratories—Cost to 31st July, 1932	£31,099 13 4		
Add Additional Cost to 31st July, 1933 ...	2,390 16 10		
		33,490 10 2	
			704,140 14 11
Buildings and Equipment (Works in Progress) Account ...		.....	27,037 0 5
Freehold and Leasehold Property:—			
1 Gordon Street—House Account		3,401 1 0	
114 & 116 Gower Street Houses Account		7,019 17 3	
Upper Gower Mews—Cost to 31st July, 1932		30,267 3 1	
"Hawarden Castle" Account		2,365 6 2	
21 Gordon Square—Cost of Lease		2,633 14 6	
24 ditto ditto and Equipment.....		1,333 1 11	
			47,020 3 11
Carried forward.....		.....	£778,197 19 3

UNIVERSITY OF LONDON,

General Balance Sheet of the

LIABILITIES AND CAPITAL (*cont.*).

		£ s. d.	£ s. d.
Brought forward		.....	1,753,751 5 11
Unexpended Balances of Grants and Donations:—			
Applied Statistics and Eugenics Grants		1,076 10 10	
ditto Grant for Medical Officer		1,000 0 0	
Rhodes Trustees Grant Account		95 16 11	
Treasury Non-Recurrent Grant (1929-30) for Library	£1,500 0 0		
Less Expenditure to 31st July, 1933	1,378 19 11		
		121 0 1	
Sundry Accounts		2,043 14 2	
			4,337 2 0
Suspense and Deposit Accounts:—			
Keys Deposits		100 0 0	
Fees Suspense		2,000 4 0	
			2,100 4 0
Sundry Creditors		.....	3,035 10 0
Income and Expenditure Account—			
As in Balance Sheet, 31st July, 1932		.....	3,139 9 8
			£1,766,363 11 7

We have examined the above Balance Sheet and relative Income thereto, and certify them as being properly drawn up and in accordance

3, Frederick's Place, Old Jewry, London, E.C. 2,
13th October, 1933.

UNIVERSITY COLLEGE.

College at 31st July, 1933 (*cont.*).

ASSETS (*cont.*).

	£ s. d.	£ s. d.
Brought forward	.....	778,197 19 3
University Observatory—Cost to 31st July, 1931	.....	4,356 5 6
Investments at cost as per annexed Schedule of Invested Funds	.....	45,839 12 0
Trust Funds	.....	925,002 15 11
Payments in Advance and Telephone Deposits	.....	535 17 11
Sundry Debtors and Outstanding Accounts	.....	1,813 17 3
National Insurance Stamp Account:— In hand and on deposit with Insurance Commissioners	.....	973 16 6
Deferred Extraordinary Expenditure	.....	249 15 9
Cash at Bank—On Deposit	3,569 14 10	
On Current Account	5,816 12 9	
Petty Cash Account	7 3 11	
		9,393 11 6
		£1,766,363 11 7

and Expenditure Account with the books, accounts, and vouchers relating therewith.

(Signed) PRICE, WATERHOUSE & CO.,
Chartered Accountants.

APPENDIX IV.

GRANTS (1932–33).

Grants allocated by the Court of the University :—

		£	s.	d.
Block Grant		100,234	13	4
Additional Grant for Evening Schools		1,600	0	0
Home Counties Grant :—				
Buckingham County Council	43 0 0			
Essex County Council	212 0 0			
Hertford ,,	148 0 0			
Kent ,,	329 0 0			
Middlesex ,,	1,391 0 0			
Surrey ,,	462 0 0			
Croydon Borough Council	63 0 0			
		2,648	0	0
		104,482	13	4

Grants received through the Court of the University :—

Cassel Trustees	157 10 0			
Chadwick Trustees	200 0 0			
Grants from other Colleges towards Maintenance of University Observatory.	113 8 5			
		470	18	5
		£104,953	11	9

SUBSCRIPTIONS AND DONATIONS (1932–33).

(For Special Purposes.)

	£	s.	d.
Anonymous (per Prof. Karl Pearson)	9	0	0
Batsford, Messrs. B. T., Ltd.	10	10	0
Bossom, A., Esq.	7	10	0
Brightmore, R. G., Esq.	*1	0	0
Brown, Prof. Fredk.	*5	0	0
Browne, E. T., Esq.	100	0	0
"Building," The Proprietors of	4	4	0
Concrete Publications, Ltd.	25	0	0
Davis, A. J., Esq.	2	10	0
Eggleton, P., Esq.	*3	0	0
Forder, H. G., Esq.	1	1	0
Heron, Dr. David	10	0	0
Leverhulme, Trustees of the late Lord	500	0	0
Macgregor, Mrs. A. J.	50	0	0
Paul, Miss Agnes S.	3	3	0
Royal Italian Government, through H.E. the Italian Ambassador	300	0	0
Watson, Prof. D. M. S.	1	10	0
Carried forward	£1,033	8	0

* Those marked with * are for General purposes.

				£	s.	d.
Brought forward				1,033	8	0
Donations towards Students' Loan and Bursary Funds —						
Ashmole, Prof. B.	2	0	0			
Bellot, Prof. H. H.	1	0	0			
Blackman, Mrs. Elsie	2	2	0			
Cookson, A. C., Esq.	1	1	0			
Cooper, Miss E. C. L.	1	0	0			
Cutting, E. M., Esq.	1	0	0			
Davis, Miss E. Jeffries	1	0	0			
Gardner, Prof. E. G.	2	0	0			
Haas, Dr. Paul	2	2	0			
Hill, Prof. T. G.	1	0	0			
Hopkins, Dr. Pryns	2	0	0			
Jolowicz, Prof. H. F.	2	0	0			
King, Prof. W. B. R.	1	0	0			
Salisbury, Prof. E. J.	2	0	0			
Tillotson, G., Esq.	1	0	0			
Wharrie, Mrs. M.	75	0	0			
Wren, T. L., Esq.	2	0	0			
Amounts under £1	5	12	6			
				104	17	6
				£1,138	5	6

SUBSCRIPTIONS AND DONATIONS (1933–34)

(already received for special purposes)

	£	s.	d.
Foyle, Messrs. W. & G., Ltd.	5	0	0
Leverhulme, The Trustees of the late Lord	1,000	0	0
The Rockefeller Foundation	2,778	2	0
Sieff, I. M., Esq.	250	0	0
	£4,033	2	0

APPENDIX V.

ASSEMBLY OF THE FACULTIES OF UNIVERSITY OF LONDON, UNIVERSITY COLLEGE.

6TH JULY, 1933.

CHAIRMAN: THE CHAIRMAN OF THE COLLEGE COMMITTEE (Professor Sir JOHN ROSE BRADFORD, Bt., K.C.M.G., C.B., C.B.E., D.C.L., LL.D., M.D., D.Sc., Past Pres. R.C.P., F.R.S.).

SPECIAL VISITOR: In the unavoidable absence of the Special Visitor, Sir WILLIAM BATE HARDY, M.A., F.R.S., the Rt. Hon. LORD MESTON, K.C.S.I., LL.D., Vice-Chairman of the College Committee, received the Chief Scholars, Medallists, and Prizemen, and delivered an address.

REPORT OF THE PROVOST (Dr. ALLEN MAWER) ON THE SESSION 1932–33.

In my report at the end of last session I spoke of maturing plans for the extension of the College and the re-housing of many of its departments, which had been rendered possible, partly by reason of our good fortune in securing the Shoolbred site, partly through the action of the University Court in making to us an allocation of £30,000 from the London County Council capital grant, and partly through the generosity of the Rockefeller Foundation in making an appropriation of £88,000 for our Department of Zoology and Comparative Anatomy. To-day I am in the happy position of being able to report to you the practical completion of the first stage in the execution of those plans.

The Department of Zoology and Comparative Anatomy is now in occupation of its new quarters on the Shoolbred site, and it is, I think, admitted on all hands that, thanks to the planning of

Professor Watson and his colleagues and to the architectural skill of Professor Richardson, we have a department which, alike in planning and equipment, is second to none in the kingdom.

The space in the old buildings freed by the removal of the Department of Zoology has been used for various purposes. Two of these call for special mention. The first is the creation of a new Science Library which, thanks again to Professor Richardson's sympathetic understanding, is fully worthy of the Wilkins building of which it forms part. The second is the re-construction and re-equipment of the old Sir George Thane Theatre and its upper and lower surrounds as the Gustave Tuck Theatre and Mocatta Library and Museum. Here the generosity of Mr. Gustave Tuck and his friends has worked in happy alliance with the understanding skill of Professor Richardson and given the College two of its finest rooms, while the memory of Sir George Thane is henceforward more fittingly preserved in College by the association of his name with the library of the Faculty of Medical Sciences to which he devoted so much loving thought and care. That library will, henceforward, be known as the Thane Library of Medical Sciences.

On June 21st last, The Chancellor of the University honoured the College by accepting its invitation to open the new Science Library and the new Zoology Department. It was his first official visit to the College since he assumed his high office, and it was a source of great pleasure to the College that he was accompanied on that occasion by Her Royal Highness Princess Alice.

During his visit the Chancellor unveiled a tablet on the new site recording the resolution of the College Committee that the new site should, henceforward, be known as Foster Court, in memory of my predecessor, Sir Gregory Foster. I trust that before another year has passed Foster Court may be as much a household word with us as Henry Morley, Crabb Robinson, and Carey Foster.

The creation of the new Science Library has enabled us to use the old Science Library for a series of Special Arts Libraries—notably an English Library, a German Library, a Scandinavian Library, and an Advanced Arts Library. These libraries are among the pleasantest in College, and when the corridor along which they lie has undergone its appropriate development, these rooms, together with the new Science Libary and the further range of Arts Libraries in the southern wing, will form as fine a range of libraries as one could desire.

The first stage of our work is thus completed. For the completion of the two further stages, of which I spoke last year, we still stand in need of some £43,000 of capital, and some £2,240 a year for upkeep. For the moment we must call a halt, but we trust that the many friends of the College will see to it that the halt is but a brief one—for we are still in urgent need of room, not because of any prospective expansion of our numbers, but for the proper service of those students whom we already have with us.

Such, in brief summary, are the material changes in the College buildings during the last twelve months. When we turn to its staffing we have a story of loss alike by death and retirement.

Professor J. G. Robertson, our senior Professor of German, was due to retire this summer. Early in this term he had to go into a nursing home, and died there on May 27th, after a fortnight's illness borne with characteristic and undaunted courage. He had spent some thirty years in the service of the College and University. He was a scholar of European reputation who had done more than any other man to promote the study of German in this University, perhaps in this country. He was ever ready to help his colleagues and his pupils, and his thoughtful kindness will be sorely missed in the life of the College. He was a generous benefactor of the College Library during his life, and through his own kindly thought and the generous action of his widow, the Library will gain by further and important gifts.

By retirement we lose Professor Karl Pearson, Professor Sir Flinders Petrie, and Colonel Harris.

Professor Karl Pearson has been with us since 1884, first as Professor of Applied Mathematics and, since 1911, as Galton Professor of Eugenics. By his single-minded devotion to the cause of science and his unflinching courage in the exposition of scientific truth he has shown himself to be one of the truly outstanding men of his generation, and the College owes to him a deep debt of gratitude for his work, alike in Eugenics and Statistics, in building up a department of unique distinction.

Professor Sir Flinders Petrie has been with us since 1892 as Edwards Professor of Egyptology. He has been a great pioneer in the development of field archæology, and he has enriched the College by the establishment of an Egyptological Museum which has few rivals in interest and value. A man of abounding energy and vigour, alike of mind and body, he leaves us full of plans for

the continuance of his great work in Palestinian excavations. For him

> Old age hath yet his honour and his toil
>
> . . . . . .
>
> 'Tis not too late to seek a newer world.

We look forward still to welcoming him back from time to time as Honorary Curator of the Collections with which he has enriched us.

In Colonel Harris the College loses a man who has been a loyal and devoted citizen in the University College foundation since he first entered in 1886. As President of the Union, as editor of the College Magazine, as officer commanding the Officers Training Corps, as a Lecturer in the Departments of Pure and Applied Mathematics, as Sub-Dean of the Faculty of Science, as Tutor to Science Students, and as Senior Tutor to the students of the College as a whole, and in many other capacities, public and private, he has done as much as any man to build up the tradition of student life in the College as it now exists. Endowed with the gift of perennial youth, he has never lost touch with the young life of the College, and has won the hearts of successive student-generations by his happy skill in tempering stern justice with good humoured understanding of student foibles and by his readiness on all occasions to recognize essential goodness of heart and spirit.

All these men leave us in full vigour, alike of mind and body, and we wish them each in his own sphere many years of happy retirement.

In succession to Professor Karl Pearson, the College welcomes his son, Dr. Egon Pearson, as head of the Department of Statistics, and Dr. R. A. Fisher, as Galton Professor of Eugenics. The part-time Professorship of Egyptology is, for the present, replaced by a full-time Readership in Egyptology, to which we welcome Mr. S. R. K. Glanville, Assistant Keeper in the Department of Egyptian and Assyrian Antiquities in the British Museum. The duties of Colonel Harris as Senior Tutor will now be divided between Mr. Solomon, beloved of many generations of Arts students, and Dr. Kirk, who has for some four years been helping us as Tutor to Medical Students.

The governing body of the College has undergone several changes in the past year. Soon after last year's Assembly of Faculties, Lord Chelmsford, on his election to the Wardenship of All Souls College, found himself obliged to resign the Chairmanship of the

College Committee. He had given ten years of untiring service to the College, and he left us with the good wishes of each and all of us that he might, with a lighter burden of responsibility, spend some years of happy usefulness in Oxford, but it was not to be, and deep was our sense of loss, alike public and private, when we heard of his sudden death on 1st April, 1933.

As his successor in the Chairmanship of the College Committee we have been peculiarly fortunate in securing Sir John Rose Bradford, who in his own person links together College, School, and Hospital in a happy trinity. He has been succeeded as Vice-Chairman of the College Committee by Lord Meston, to whom we owed so much during the years of our Centenary Celebrations.

More recently we have lost Sir Ernest Moir, who was educated at the School and College, was a Fellow of the College, and who did great personal service to our School of Engineering when, with his help and largely under his direction, the present Department of Civil and Mechanical Engineering was built.

During the same period the College Committee has been strengthened by the addition of Mr. Godfrey Lloyd, who comes to us with a wide range of academic and civil service experience.

In the Faculty of Arts, we may note new developments in the Department of English. Here increased space and improved equipment have rendered possible new developments in the field of palæographical and bibliographical studies, and in this connection our special thanks are due to Dr. W. W. Greg, our Honorary Lecturer in Bibliography.

In the Department of History, Professor Norman Baynes, owing to the pressure of other work, has resigned the Directorship of the Evening School, which he has guided and inspired from the time of its first creation. To that work, as to all the tasks which he undertakes, Professor Baynes has brought unique qualities of energy and inspiration, and to him our best thanks are due for many years of unselfish devotion to the cause of historical teaching in our School.

In the field of Fine Arts, Professor Borenius, the Durning-Lawrence Professor of the History of Art, has, with help from the Society of Antiquaries, started important excavations at the palace of Clarendon in Wiltshire, destined to throw much light on English domestic architecture in the Middle Ages.

In the Department of Archæology, Professor Ashmole, the Yates Professor, is still badly handicapped for lack of a cast gallery. The College might now provide the necessary space for such a gallery, but the money for its equipment and upkeep has still to be found. In the same Department Dr. Mortimer Wheeler, as Lecturer in British Archæology, has been providing valuable opportunities for archæological field-work for our students at Verulamium and elsewhere.

In the Faculty of Science, Chemistry is hard pressed for space. Changes in the distribution of undergraduate work during their three years at College have made increasing demands on the ordinary accommodation of the Department and have limited the possibilities of accepting research students.

The position in Botany has been slightly relieved by the creation of a joint junior biological laboratory in the new Zoology building, but there is still much congestion in the Faculty, and the needs of Botany and Geology can only properly be met when we are able to develop the rest of the territory in Foster Court. When that is done something may also be done for another department in another Faculty, which at the present time lives in a state of unhappy congestion, viz., Electrical Engineering. This state of congestion is the more unfortunate when we consider how great and important are the developments in this field in the world of industry.

In the Faculty of Medical Sciences, we have deeply regretted the absence through illness, during the last two terms, of Professor Elliot Smith. We look forward to seeing him back with us next session, and would desire to express to Professor H. A. Harris our cordial appreciation of all that he has done for the Department of Anatomy in carrying on during the absence of the Professor. We are also very glad to have Professor Verney back with us once again, ready and able to take up his duties as Dean of the Faculty.

Of benefactions received during the last year I would like to make special mention of the following :—

In connection with the Bentham Centenary Celebrations, the Pilgrim Trustees gave the College the sum of £200 to help it in the task of arranging, preserving, and editing the more important of the Bentham papers. This money, together with some £100 provided by the College and a further sum of about £100 contributed by friends of the College, should enable us satisfactorily to discharge

an important duty. The first stage in this work, the completion by Mr. Milne of a full *catalogue raisonné* of the papers, is, I am glad to say, almost complete. These celebrations have also brought to us valuable gifts of Bentham letters, pamphlets, and personalia from Mr. Wilfrid Bowring, a grandson of Sir John Bowring, Bentham's Executor, who has interested himself very much in the whole matter.

Mr. Legros, the son of Alphonse Legros, the first Slade Professor of this College, and himself a student and Fellow of the College, has given us a valuable series of etchings etc., by his father. These have greatly enriched our Print Room. The College heard a few days ago with deep regret of Mr. Legros's death from an accident.

Dr. H. H. Scott has enriched the Library by presenting a fine collection of early printed editions of the classics.

Sir Edward Sharpey-Schafer, on his retirement from the Chair of Physiology at Edinburgh, presented to us a silver bowl given to him by his colleagues and friends when he left us for Edinburgh in 1899. I mention this gift, first because of the happy personal links of which it is a symbol, but also because one of the minor needs of the College at the present time is some enrichment of its furnishings whereby it may be able, in a manner truly worthy of it, to entertain its guests at dinner and on other occasions. I trust that this is only the first of many gifts we may receive towards that end.

Following the time-honoured custom, I now turn to the student-life of the College. Here I should like to pay tribute to the unfailing support and help that I receive from the Presidents, Officers, and Committees of the two Unions in the general life of the College. What they do for that life finds happy public expression in Foundation Week, and here I should like specially to mention this year's Foundation Play. The production of *Marco Millions* was work of which any College might be proud, and I feel that in Drama, as in Music under the happy direction of Mr. Lofthouse, we are at last beginning to take our rightful position in the University.

The athletic record is good. In the University Athletic Clubs we won the Inter-Collegiate Rosebery Cup for the third year in succession, while the best individual win again came from University College. Similarly, we won for the third year in succession the Inter-Collegiate Championship in Cross Country Running. The Rugger Club won both the Inter-Collegiate and the Technological

Cups. The Rowing Club won the Allom Cup for the fifth year in succession, and the Soccer Club regained the Inter-Collegiate Cup. In Swimming two of our students, Aley-Eddine and Gilruth, hold the British Universities Championships for the 50 and 150 yards respectively, and in the Quadrennial *Confédération Internationale des Etudiants* Games at Turin this summer two of our students have already been selected as British representatives, and there is great likelihood of two more being chosen.

The Women's Athletic Clubs hold the Inter-Collegiate Cups for the Junior Rowing Fours, the first and second Hockey Teams and the second Netball Team, and some thirty-seven members of the College have played for the University of London Women's Athletic Union.

A notable achievement in another branch of student activity is that of the French Society, who, in the intercollegiate dramatic competition organised by the University of London French Society, carried off the Brandin Cup for their performance of "La dame de bronze et le monsieur de cristal" by Henri Duvernois. As this success has now been gained in three consecutive years, the Cup has become the property of the College Society.

In general there is undoubtedly great keenness and energy alike in athletics and in all other forms of student-life on the part of many of our students, but I look forward to the day when a far greater proportion of our vast student body will, in one way and another, take an active interest in College life. There are still far too many students who have failed to realise that the life of a student in College must form a rounded whole and not confine itself too narrowly to any one aspect of it, whether it be work or play, political or social discussion, musical or dramatic activities. Every student of narrow outlook or narrow interests is a danger to the life of the College as a whole.

In conclusion may I offer very cordial congratulations to those members of the staff who have received honours and appointments during the past session? We were delighted to see that the King had recognized the good work of Colonel Filon when he conferred upon him a Companionship of the Order of the British Empire in recognition of his work for the University O.T.C., and we are proud to note that once again Professor Filon has been elected to the Vice-Chancellorship of the University. As Public Orator of the

University Professor Butler has succeeded Professor Ernest Gardner. We offer warm congratulations to Professor Salisbury on his election into the Royal Society, and we note with satisfaction that our Department of Physiology and Biochemistry continues to prove a great recruiting ground for professors in those two subjects. Professor I. de Burgh Daly, a former member of our staff, succeeds a former Professor, Sir Edward Sharpey-Schafer, in the Chair of Physiology at Edinburgh, while a member of the present staff has been appointed to another important Chair, though the formal announcement cannot be made at the moment. Dr. Marrian has been appointed Assistant Professor of Biochemistry in the University of Toronto: to him we would accord our very special good wishes, for not only is he a distinguished member of our staff but he has from student days onwards played a very happy part in the life of the College as a whole. Neither for the Professor nor for the student does the whole duty of man begin and end in the class-room or laboratory, and happy is the College which numbers among its citizens, alike as student and as teacher, men such as Dr. Marrian has shown himself to be.

The Provost announced the names of the chief Scholars, Medallists, and Prizemen, and presented them to Lord Meston, acting in the place of the Special Visitor.

Lord Meston then addressed the Assembly.

A Vote of Thanks to Lord Meston was moved by the Dean of the Faculty of Medical Sciences (Professor E. B. Verney, M.A., M.B., B.Ch., F.R.C.P., M.R.C.S.) and seconded by the President of the Women's Union Society (Miss M. R. Malleson).

APPENDIX VI.

List of Original Papers and other Publications from the various Departments of the College, December, 1932—December, 1933.

Department of Latin. (Professor H. E. Butler.)

Barber, E. A., and Butler, H. E.

(1) *Propertius*, lxxxiv+408 pp. Oxford: Clarendon Press.

Butler, H. E.

(2) FitzStephen's *Descriptio Londinii*, translated with notes on the MSS., in *Norman London* by F. M. Stenton. Historical Association, 1933.

McLellan, R. D.

(3) Roman and Imperial Sentiment in the Literature of the Empire from Augustus to Constantine. Thesis for Ph.D. degree.

Department of Greek, (Professor M. T. Smiley.)

Lockwood, J. F.

(1) *A Smaller Latin-English Dictionary* by Sir William Smith; revised edition by J. F. Lockwood, xi+823 pp. London: John Murray.

Department of English. (Professor R. W. Chambers and Professor C. J. Sisson.)

Barker, L. G. E.

(1) The Life and Writings of John Byrom. Thesis for M.A. degree, June 1933.

Batho, Edith C.

(2) *The Later Wordsworth*. x+417 pp. Cambridge: University Press.

(3) Review of G. H. Gerould, *The Ballad of Tradition*, and A. Taylor, '*Edward*' *and* '*Sven i Rosengård*.' *Modern Language Review* (April 1933), 246–8.

(4) Review of Snorre Sturlason, *Heimskringla*, edited by E. Monsen. *Ibid.* (April 1933), 284–5.

(5) Review of E. Bernbaum, *Anthology of Romanticism and Guide through the Romantic Movement*. *Ibid.* (July 1933), 387.

(6) Review of N. H. Fairchild, *The Romantic Quest*. *Review of English Studies* (July 1933), 346–7.

(7) Review of M. M. Rader, *Presiding Ideas in Wordsworth's Poetry*. *Ibid.* (July 1933), 347–8.

(8) Review of R. Macaulay, *Religious Elements in English Literature*. *Ibid.* (July 1933) 357–8.

(9) Review of M. Kostka, *The Old Woman*, H. T. Boileau, *Italy in the Post-Victorian Novel*, and other studies. *Modern Language Review* (October 1933), 531–3.

Greg, W. W.

(10) Edition of *A Looking Glass for London and England*, by Thomas Lodge and Robert Greene, 1594. Malone Society Reprint.

(11) The Function of Bibliography in Literary Criticism illustrated in a Study of the Text of *King Lear*. *Neophilologus*, xviii. part 4, 241–62.

(12) The Aims of Bibliography: a reply to Mr. Gaselee. *Library* (December 1932), 250.

(13) Some Textual Notes on *Lear*. *Times Literary Supplement* (9 November, 1933).

(14) Review of Ben Jonson, *Works*, edited by C. H. Herford and Percy Simpson, Vol. IV. *Review of English Studies* (January 1933), 102–4.

Harris, N. T.

(15) Pope's Relations with his Contemporaries. Thesis for Ph.D. degree, June 1933.

Husbands, H. Winifred.

(16) Summary of Periodical Literature. *Review of English Studies*, 1933, 120–8, 249–56, 375–84, 498–505.

(17) Review of *The Letters of Jane Austen to her Sister Cassandra and others*, edited by R. W. Chapman, and of Jane Austen, *Volume the First*. *Modern Language Review* (January 1933), 93–96.

JENKINS, H.

(18) The Life and Work of Henry Chettle. Thesis for M.A. degree, June 1933.

PARISH, E. LAURA.

(19) A Critical Text of the C-Text of *Piers Plowman*, Passus 9 and 10. Thesis for M.A. degree, June 1933.

RAYCHAUDHURI, D. P.

(20) The Life and Work of Sir Aston Cokain. Thesis for M.A. degree ; June 1933.

ROBERTS, W. F. J.

21) The Ellipsis of the Subject Pronoun, and related Phenomena, in Early Middle English (c. 1100–c. 1400). Thesis for M.A. degree, December 1933.

SISSON, C. J.

Editor of *The Modern Language Review*.

(22) The Theatres and Companies, in *A Companion to Shakespeare*, 9–43. Cambridge: University Press.

SMITH, A. H.

General Editor, with F. Norman, of Methuen's Old English Library.

(23) Edition of *Three Northumbrian Poems*. Methuen's Old English Library, A. 1. x+54 pp. London : Methuen.

(24) Early Northern Surnames. *Saga Book of the Viking Society* (1933).

(25) East Riding Place-Names. *East Riding Archæological Journal* (1933).

(26) Old Scandinavian 'lundr.' *Leeds Studies in English and Kindred Language* (1933), 72–5.

(27) Robin Hood. *Modern Language Review* (October 1933), 484–5.

SUTHERLAND, J. R.

(28) Shakespeare's Imitators in the Eighteenth Century. *Modern Language Review* (January 1933), 21–36.

(29) Some Early Troubles of Daniel Defoe. *Review of English Studies* (July 1933), 275–90.

(30) Review of C. H. Gray, *Theatrical Criticism in London to* 1795. *Modern Language Review* (April 1933), 258–9.

(31) Review of E. M. Thornbury, *Fielding and the Comic Prose Epic*. *Review of English Studies* (July 1933), 342–3.

(32) Review of A. W. Evans, *Warburton and the Warburtonians*. *Modern Language Review* (October 1933), 526–7.

(33) Review of R. Steele, *The Christian Hero*, edited by R. Blanchard. *Ibid.* (January 1934), 87–88.

TANCOCK, KATHLEEN M.

(34) An Edition of the MS. Play *Love's Hospital* (1636), with some Account of the Author, George Wilde. Thesis for M.A. degree, June 1933.

TILLOTSON, G.

(35) Dreams in English Literature. *London Mercury* (April 1933), 516–23.

(36) *Othello* and *The Alchemist* at Oxford in 1610. *Times Literary Supplement* (20 July, 1933), 494.

(37) Review of M. Doran, *The Text of King Lear*. *Modern Language Review* (April 1933), 251–2.

(38) Review of *The Poetical Works of Thomas Traherne*, edited by Gladys I. Wade. *Modern Language Review* (July 1933), 386–7.

(39) Review of *A Poetical Rhapsody*, edited by H. E. Rollins. *Modern Language Review* (October 1933), 516–8.

TILLOTSON, G. and A.

(40) Pen-and-Ink Corrections in Mid-Seventeenth-Century Books. *Library* (June 1933), 59–72.

WADE, GLADYS I.

(41) Thomas Traherne and his Circle. A Literary and Biographical Study. Thesis for Ph.D. degree, June 1933.

WALTER, J. H.

(42) Review of J. Bale, *King Johan*. *Modern Language Review* (October 1933), 508.

Department of French. (Professor L. M. Brandin.)

BRANDIN, L. M.

(1) Romance Philology, Provençal, French. *The Year's Work in Modern Language Studies* (1933), 17–33.

(2) Review of Oscar Bloch, *Dictionnaire étymologique de la langue française*, 2 vol. Paris: Les Presses Universitaires de France, 1932. *The Modern Language Review* (1933), 395–396.

(3) Review of Alfred Ewert, *The French Language*. *Medium Ævum* (1933), 237–240.

TANCOCK, L. W.

(4) Reviews of E. Preston Dargan, etc. *Studies in Balzac's Realism*, and of Marc Blanchard, *La campagne et ses habitants dans l'œuvre de Balzac*; *Témoignages et jugements sur Balzac*. *The Modern Language Review* (1933), 269–271.

THIMANN, I. C.

(5) A contribution to the study of the historical comedies of Scribe. Thesis for Ph.D. degree, November 1933.

Department of German. (Professor L. A. Willoughby.)

BADGER, A. B.

(1) An Historical Study of British and Continental critical Conceptions regarding some Aspects of Public Schools in England and Wales: 1800–1932. Dissertation for Ph.D. degree of the University of Hamburg, xxiv+180 pp. Hamburg, 1933.

NORMAN, F.

General Editor, with A. H. Smith, of Methuen's Old English Library.

(2) *Waldere*, viii+56 pp. Methuen.

PERRETT, W.

(3) *Some Questions of Musical Theory*: Chapter VIII, From Seven to Seventeen. Cambridge: Heffer.

WILLOUGHBY, L. A.

(4) *Publications of the English Goethe Society*, New Series, ix., edited by L. A. Willoughby, 118 pp. The Society, 1933.

(5) German Literature from 1740 to the Present Day. *The Year's Work in Modern Language Studies*, iii. (1933), 116–140.

(6) The Romantic Background of Hitlerism. *The Contemporary Review*, December 1933.

Department of Italian. (Professor Edmund G. Gardner.)

GARDNER, EDMUND G.

(1) *Italy : a Companion to Italian Studies.* General editorship, and sections : "The Italian Language"; "Mediaeval Italy to the Death of Henry VII."; "Early Italian Literature"; "Literature of the Seicento." London : Methuen. (In the press.)

(2) Paget Toynbee. *Proceedings of the British Academy*, xviii.

PELLIZZI, CAMILLO.

(3) Two sections : "Italy and the Italian People" and "Italy from 1870 to the Fascist Revolution," contributed to *Italy : a Companion to Italian Studies.* (In the press.)

(4) Four articles on contemporary Italian literature. *Corriere della Sera* (Milan), July, September, October, 1933.

Department of Phonetics. (Professor Daniel Jones.)

ARMSTRONG, LILIAS E.

(1) Phonetic Summary of Ganda and Notes on Kikuyu in *Practical Phonetics for Students of African Languages* by Westermann and Ward. International Institute of African Languages and Cultures, 1933.

(2) Somali. *Le Maître Phonétique*, xliv, 1933.

DAVIES, HYACINTH M.

(3) Revision of the *Kaiming First English Book* by Dr. Lin Yutang. Shanghai : The Kaiming Book Co.

JONES, DANIEL. Editor of *Le Maître Phonétique.*

(4) *Fondamenti di Grafia Fonetica* (in collaboration with A. Camilli). International Phonetic Association, 1933.

(5) Review of *The Phonetic and Tonal Structure of Efik*, by I. C. Ward. *Africa*, vi. no. 4, October 1933.

LLOYD-JAMES, A.

(6) *Broadcast English III*. The pronunciation of some Scottish Place-Names. London : The British Broadcasting Corporation, 1933.

ULDALL, H. J.

(7) *A Danish Phonetic Reader*. University of London Press, 1933.

WARD, IDA C.

(8) *The Phonetic and Tonal Structure of Efik*. Cambridge : Heffer, 1933.

(9) *Practical Phonetics for Students of African Languages* (in collaboration with D. Westermann). xvi+227 pp. For the International Institute of African Languages and Cultures. Oxford : University Press. London : Milford. 1933.

Department of Egyptology. (Mr. S. R. K. Glanville, Reader.)

BAYNES, CHARLOTTE A.

(1) *A Coptic Gnostic Treatise*, 229 pp., 117 pls. Cambridge : University Press, 1933.

FRANKFORT, H.

(2) *The Cenotaph of Seti I. at Abydos* (with chapters by A. de Buck and Battiscombe Gunn), 2 vols. viii+96 pp., 93 pls. London : Egypt Exploration Society, 1933.

GLANVILLE, S. R. K.

(3) *The Egyptians*, 95 pp., 10 figs. London : A. & C. Black, 1933.

MURRAY, MARGARET A.

(4) *The God of the Witches*. Sampson Low, Marston & Co., 1933.

(5) The Pharaoh's third title. *Ancient Egypt and the East*, 1933.

(6) China and Egypt. *Ibid.*

(7) Rhymes and Rain-charms. *Ibid.*

MURRAY, MARGARET A., and PILCHER, DOROTHY.

(8) *Coptic Reading-book*, 151 pp. London: B. Quaritch.

PETRIE, FLINDERS.

(9) *Ancient Gaza* III. vii+15 pp., 54 pls. London: B. Quaritch.

(10) Ancient Gaza, 1932–33. *Ancient Egypt*, December 1932.

(11) The pendulum in Egypt. *Ibid.*

(12) Egyptian Shipping. *Ancient Egypt and the East*, 1933.

WAINWRIGHT, G. A.

(13) Letopolis. *Journal of Egyptian Archæology*, 1932, part ii.

(14) Bull Standards of Egypt. *Ibid.* 1933, part i.

YEIVIN, S.

(15) An Egyptian Vase from Ancient Parthia. *Annales du Service des Antiquities*, 1932.

Department of Archæology. **(Professor Bernard Ashmole.)**

ASHMOLE, BERNARD.

(1) *Greek Sculpture and Painting to the end of the Hellenistic Period* (with J. D. Beazley). xx+107 pp., 240 figs. Cambridge: University Press, 1932.

GARDNER, E. A.

(2) *Poet and Artist in Greece.* 132 pp. Duckworth, 1933.

WHEELER, R. E. M.

(3) Belgic Cities of Britain. *Antiquity*, vii. (March 1933), 21–35; 14 figs.

(4) The Organisation and Co-ordination of Scientific Research. Presidential Address to the Conference of Delegates to the British Association. Printed by the British Association, 1933.

WHEELER, R. E. M., and WHEELER, T. V.

(5) Summary of Verulamium Excavations, 1932. *St. Albans and Hertfordshire Architectural and Archæological Society's Transactions*, 1932. 24 pp., 12 figs.

Department of History. (Professor J. E. Neale, Professor Norman H. Baynes, Professor H. Hale Bellot, Professor P. Geyl.)

BEHRENS, BETTY.

(1) The Origin of the Office of English "Resident" Ambassador. *Transactions of the Royal Historical Society*, Fourth series, xvi. (1933), 161–195.

BELLOT, H. HALE.

(2) The Mainland Colonies in the Eighteenth Century. Historical Revision LXIV. *History*, xvi. (January 1933), 344–350.

(3) Review of H. T. Catterall, *Judicial Cases concerning American Slavery and the Negro. English Historical Review*, xlviii. (October 1933), 678–680.

DAVIS, ELIZA JEFFRIES.

Editor of *History*.

(4) The History of the Site, in the University booklet *The Bloomsbury Site*, pp. 5–11. June 1933.

(5) Documents concerning Sir Edm. Wright's election as Lord Mayor, 1640. The London Survey Committee's monograph *Swakeleys* (1933), 39–42.

(6) Some Notes and News in *History*, xvii., xviii.

DAVIS, ELIZA JEFFRIES, and HONEYBOURNE, MARJORIE B.

(7) Notes on the Map of London under Henry II., in *Norman London* by F. M. Stenton, pp. 36–40. Historical Association, 1933.

FLETCHER, MARJORIE.

(8) A Study of the Knights of the Shire returned to Parliament by Bedfordshire during the Middle Ages. Thesis for M.A. degree, July 1933.

GEYL, P.

(9) William the Silent, a fourth centenary lecture. *Annual Report of the Anglo-Batavian Society*, 1933.

(10) *Wilhelmus van Nassouwe*. A collection of essays edited, with final chapter, by P. Geyl. Middelburg, 1933.

(11) Een historische legende; het Zuid-Nederlandsch tarief van 21 December, 1680. *Mededeelingen der Koninclijke Academie van Wetenschappen*, Amsterdam.

(12) Godsdienst en nationaliteitsbesef in de Nederlanden ten tijde van Frederik Hendrik. *Bijdragen voor Vaderlandsche Geschiedenis*, vii. s. 2. The Hague.

HONEYBOURNE, MARJORIE B.

(13) The Sanctuary Boundaries and Environs of Westminster Abbey and the College of St. Martin-le-Grand. *The Journal of the British Archæological Association*, n.s., xxxviii. (1933), 316–333 ; 3 plans.

(14) Map of London under Henry II., reconstructed from original sources, in *Norman London*. Historical Association, 1933.

HUMPHREYS, R. A. (in collaboration with S. M. SCOTT).

(15) Lord Northington and the Laws of Canada. *Canadian Historical Review*, xiv. (March 1933), 42–61.

MILNE, J. G.

(16) The Muniments of Corpus Christi College, Oxford. *Bulletin of the Institute of Historical Research*, x. (1933), 105–108.

RENIER, J. G.

(17) *William of Orange*, 152 pp. Peter Davies, 1933.

WILLIAMS, C. H.

Assistant Editor of *History*.

(18) *Year Book of Henry VI.*, lxi+159 pp. Selden Society Publications for 1933 : Year Book Series, 1.

(19) Section on the Later Middle Ages in the *Annual Bulletin of Historical Literature*, xxii. 37–46. Historical Association, 1933.

(20) Note and News, and other contributions in *History*, xvi. 27–30, 382–384, etc.

Department of Geography. (Professor C. B. Fawcett.)

DICKINSON, R. E., and HOWARTH, O. J. R.

(1) *The Making of Geography*, 261 pp. Oxford: University Press.

FAWCETT, C. B.

(2) *A Political Geography of the British Empire*, 410 pp. University of London Press.

(3) An Agricultural Atlas of England and Wales. *Geographical Journal*, lxxxii. (1933), 360–362.

Department of Philosophy. (Professor J. Macmurray.)

KEELING, S. V.

(1) M. Meyerson's Theory of Cognition. *Philosophy*, January 1933.

(2) Philosophy in France. *Ibid.* July 1933.

(3) Critical Notice of E. Gilson, *Etudes sur le rôle de la pensée médiévale dans la formation du système cartésien. Mind*, January 1933.

MACMURRAY, J.

(4) *Interpreting the Universe.* 164 pp. Faber & Faber, 1933.

(5) *The Philosophy of Communism.* 96 pp. Faber & Faber, 1933.

(6) Editor and chief contributor to *Some Makers of the Modern Spirit.* Methuen, 1933.

Department of Psychology. (Professor Cyril Burt.)

BROWN, W., and STEPHENSON, W.

(1) A Test of the Theory of Two Factors. *British Journal of Psychology*, xxiii. pt. 4 (April 1933), 352–370.

(2) Professor Thomson's *Note on the Theory of Two Factors. Ibid.* xxiv. pt. 2 (October 1933), 209–211.

CHEN, L.

(3) Oscillation in Mental Work. Thesis for Ph.D. degree.

FLUGEL, J. C.

(4) *A Hundred Years of Psychology*, 384 pp. Duckworth, 1933.

GREWAL, D. K.

(5) Fluctuations of Attention during Short Periods of Work. Thesis for Ph.D. degree.

PACHAURI, A. R.

(6) A Study of Gestalt Problems in Completed and Interrupted Tasks. Thesis for Ph.D. degree

RAO, K. G. R.

(7) The Comparative Value of Verbal and Non-Verbal Tests. Thesis for Ph.D. degree.

SHIVAPRAKASAM, K.

(8) The Oscillation of Attention. Thesis for Ph.D. degree.

SIMMINS, C. A.

(9) Deterioration of g in Psychotic Patients. *Journal of Mental Science*, No. 4, October 1933.

STEPHENSON, W.

(10) A Note on Correlation. *British Journal of Psychology*, xxiv. pt. 3 (December 1933), 300–304.

Department of History, Methods, and Principles of Science.
(Professor A. Wolf.)

CORNELL, E. S.

(1) The Radiant Heat Spectrum up to and including the Work of Melloni. M.Sc. Dissertation.

FILBY, F. A.

(2) The History of Food Adulteration and Analysis from Earliest Times up to the Work of Frederick Accum (1820). Thesis for Ph.D. degree.

GUNAWARDENA, D. C.

(3) Studies in the Biological Work of John Ray. M.Sc. Dissertation.

HAMILTON, S. B.

(4) The Development of Modern Ideas on the Behaviour of Materials under Stress up to about 1720. M.Sc. Dissertation.

HENSTOCK, EDITH C.

(5) The Rise of Mechanics. M.Sc. Dissertation.

KNIGHT, J. G.

(6) The Chemical Studies of Hermann Boerhaave (1668–1738). M.Sc. Dissertation.

LYSAGHT, D. J.

(7) Chemistry at the Early Meetings of the Royal Society of London. M.Sc. Dissertation.

McKie, D.

(8) Joseph Priestley (1733–1804), Chemist. *Science Progress*, No. 109, 17–35.

Ross, C.

(9) Studies in the Chemical Work of Claude Louis Berthollet (1748–1822). M.Sc. Dissertation.

Smewing, Edith M.

(10) Scientific Method in Ancient and Mediæval Times. M.Sc. Dissertation.

Tyrrell, Bertha D.

(11) Some Aspects of the Geological Work of Johan Jacob Scheucher. including a translation of the *Herbarium Deluvianum* of 1709 and of *Piscium Querelæ et Vindiciæ* 1708. M.Sc. Dissertation.

Walker, A.

(12) The History of the Manufacture of Sulphuric Acid up to 1860. M.Sc. Dissertation.

Walker, W. Cameron.

(13) The "Leeds Portrait" of Joseph Priestley. *Nature*, 131, (1933) 876.

Wolf, A.

(14) Spinoza's Synoptic Vision. *Philosophy*, No. 29, 1–11.

(15) In Remembrance of Spinoza. *The Listener*, 2 pp.

(16) The Jewish Contribution to Philosophy in Germany. *The Jewish Review*, No. 5, 24–29.

(17) Critical Notice of *The Universe of Science*, by H. Levy. *Science Progress*, No. 109, 177–178.

(18) Critical Notice of *The Anatomy of Modern Science*, by B. Bavink, *Ibid*. No. 110, 372–374.

Department of History of Art. (Professor Tancred Borenius.)

Borenius, Tancred.

(1) *Studien über die Farbengebung in der mittelalterlichen Buchmalerei von J. J. Tikkanen. Nach dem Manuskript des Verfassers herausgegeben*, viii+452 pp. Helsingfors ; Societas Scientiarum Fennica, 1933.

(2) Some Further Aspects of the Iconography of St. Thomas of Canterbury. *Archæologia*, lxxxiii. (1933), 117–186.

(3) A New Frans Hals. *The Burlington Magazine*, lxi. (December 1932), 245–246.

(4) Two Venetian Cinquecento Masters. *Ibid.* lxii. (February 1933), 92–93.

(5) A New Titian. *Ibid.* (April 1933), 153–157.

(6) Van Dyck. *Ibid.* lxiii. (July 1933), 44–45.

(7) *Cecil Calvert, Lord Baltimore*, by Gerard Soest. *Ibid.* (November 1933), 193.

(8) Italian Pictures in Sweden. *Ibid.* 236.

(9) Chinese Jade in the Collection of Her Majesty the Queen. *Apollo*, xviii. (November 1933), 287–294.

(10) Girolaino Pironi. *Allgemeines Lexikon der Bildenden Künstler*, xxvii.

EVANS, JOAN.

(11) *Nature in Design. A Study of Naturalism in Decorative Art from the Bronze Age to the Renaissance.* xii+117 pp., 82 illustrations. Oxford : Clarendon Press, 1933.

(12) Huguenot Goldsmiths in England and Ireland. *Proceedings of the Huguenot Society of London*, xiv. 1–59, 1933.

(13) *English Mediæval Lapidaries.* (In collaboration with Dr. Mary S. Serjeantson.) Early English Text Society.

HILDBURGH, W. L.

(14) An English Alabaster Altar-piece in Holland. *Antiquaries Journal*, xii. 302–305.

(15) Iconographical Peculiarities in English Medieval Alabaster Carvings. *Folk-Lore*, xliv. 32–56 and 123–150.

(16) Review of *St. Thomas Becket in Art. Ibid.* xliii. 354–356.

(17) Review of *Asiatic Mythology. Ibid.* xliii. 356–358.

(18) Review of *Esmaltes españoles. Antiquaries Journal*, xiii. 317–318.

ROTHENSTEIN, JOHN.

(19) *An Introduction to English Painting*, xii+202 pp. ; 49 plates. Cassell.

SEILER, MAGDALENE.

(20) *D. G. Rossetti's künstlerische Entwicklung*, 126 pp. Mitau, 1933.

School of Librarianship. (Dr. Ernest A. Baker.)

BAKER, E. A.

(1) Review of *The Popular Novel in England* 1770–1800, by J. M. S. Tompkins. *Modern Languages Review*, xxviii. 533–536.

(2) Review of *Die Vorgeschichte des historischen Romans in der modernen englischen Literatur*, by Gerhard Buck. *Ibid.* 533–536.

(3) Review of *W. M. Thackeray : l'homme, le penseur, le romancier*, by Raymond Las Vergnas. *Ibid.* 533–536.

(4) Review of *Die Erzählkunst in Thackeray's 'Vanity Fair,'* by Ludwig Baucke. *Ibid.* 533–536.

(5) Review of *Die Philosophie Fieldings*, by Maria Joesten. *Ibid.* 533–536.

(6) Review of *George Gissing und die soziale Frage*, by Anton Weber. *Ibid.* 533–536.

DOUBLEDAY, W. E.

(7) *A Manual of Library Routine.* 348 pp. 6 pls. G. Allen & Unwin, 1933.

ESDAILE, ARUNDELL.

(8) *Moments : epigrams and verses.* Facsimile from author's MS. 14 pp. Lund, Humphries & Co., 1932.

HEADICAR, B. M.

(9) Research : where the library and the librarian come in. *Report of Proc. 9th Conference of Assoc. of Spec. Libs. & Information Bureaux* (1932), 67–69.

QUINN, J. HENRY, and ACOMB, H. W.

(10) *A Manual of Cataloguing and Indexing.* 286 pp. G. Allen & Unwin, 1933.

Department of Comparative Law.

(Professor Sir Maurice Sheldon Amos.)

AMOS, M. S.

(1) Roscoe Pound in *Modern Theories of Law*, 19 pp.

(2) Commercial Companies in French Law. *The Bell Yard*, November 1933.

Department of English Law. (Dr. G. W. Keeton, Reader.)

KEETON, G. W.

(1) Bacon as a Chancery Judge. *Iowa Law Review*, May 1933.

Sub-Department of Indian Law and the Law of Palestine and Iraq. (Mr. S. G. Vesey FitzGerald.)

FITZGERALD, S. G. VESEY.

(1) Nazionalità e domicilio nel diritto inglese e nel progetto del I Libro del Codice Civile Italiano. Rome; *Annuario di Diritto Comparato e di Studi Legislativi*, vol. 7, fasc. 5 (1933), 17 pp.

(2) East and West; some legal aspects of mixed marriages. *Law Journal*, November 4th and 11th, 1933.

(3) Notes on Palestine cases. *Journal of Comparative Legislation*, November 1933.

Department of Mathematics. (Professor G. B. Jeffery.)

ARCHBOLD, J. W.

(1) The Algebraic Surfaces contained by a Cubic Primal in Four Dimensions. *Proceedings of the Cambridge Philosophical Society*, 29 (1933), 484.

BOSANQUET, L. S.

(2) The Cesàro Summation of Fourier Series and Allied Series. *Proceedings of the London Mathematical Society*. (In the press.) 16 pp.

(3) The Absolute Summability (A) of Fourier Series. *Proceedings of the Edinburgh Mathematical Society* (December 1933), 6 pp.

(4) The Absolute Summability of Fourier Series: a paper read to the British Association, 1933. *Math. Gazette* (December 1933), 3 pp.

BOSANQUET, L. S., and OFFORD, A. C.

(5) Note on Fourier Series. *Compositio Mathematica*. (In the press.) 8 pp.

ESTERMANN, T.

(6) A Proof of Kronecker's Theorem by Induction. *Journal of the London Mathematical Society*, 8 (1933), 18–20.

(7) Uber die totale Variation einer stetigen Funktion und den Cauchyschen Integralsatz. *Mathematische Zeitschrift*, 37 (1933), 556–560.

OFFORD, A. C.

(8) On Summability by Typical Means. *Proceedings of the London Mathematical Society.*

(9) Fourier and Hankel Transforms. *British Association Report*, 1933.

RIGBY, CONSTANCE M.

(10) On a Recurrence Relation connected with the Double Bessel Functions $\mathfrak{K}_{\tau_1\tau_2}(x)$ and $\mathrm{T}_{\tau_1\tau_2}(x)$. *Biometrika.* (In the press.)

Department of Applied Mathematics and the University of London Observatory. **(Professor L. N. G. Filon.)**

DOBBIE, J. C.

(1) A Study of the Effect of a Theoretical Tidal Variation of the Zenith on the Annual Variation of Latitude. *Roy. Astro. Soc. Monthly Notices*, 93 (1933), 377–382.

FILON, L. N. G.

(2) Note on the Tidal Theory of the Evolution of the Solar System *Roy. Astro. Soc. Monthly Notices*, 93 (1932), 102–104.

GARSTANG, T. E.

(3) The Flow of Viscous Liquids past Solid Bodies. *Proc. Roy. Soc.* A, 142 (1933), 491–508.

GREGORY, C. C. L.

(4) Occultations of Stars by the Moon, observed at the University of London Observatory. *Roy. Astro. Soc. Monthly Notices*, 93. (1932), 111–113.

(5) Ditto : third paper. *Roy. Astro. Soc. Monthly Notices*, 94 (Nov. 1933). (In the press.)

STEVENSON, A. C.

(6) Supplementary Chapter and Appendices (pp. 95–193) of *Easements of Light*, vol. ii. *Optical and Photographic Methods of assessing Depreciation*, by John Swarbrick, F.R.I.B.A. London; Batsford, Ltd., and Manchester; The Wykeham Press, 1933.

STEVENSON, A. C., and HOWLAND, R. C. J.

(7) Biharmonic Analysis in a Perforated Strip. *Phil. Trans.* A, 232 (1933), 155–222.

WHITE, VIOLET F.

(8) The Proper Motions of Stars in the Region of M 31. *Roy. Astro. Soc. Monthly Notices*, 93 (1932), 105–109.

(9) The Proper Motions of Stars in the Region of Cluster M 37 (N. G. C. 2099). *Roy. Astro. Soc. Monthly Notices*, 93 (1933), 647–652.

Department of Applied Statistics and Eugenics.

(Biometric and Galton Laboratories.)

(Professor Karl Pearson.)

BELL, JULIA.

(1) Plural Births, with a New Pedigree. *Biometrika*, xxv. 110–120.

(2) On the Inheritance of Migraine. *Annals of Eugenics*, v. 312–325.

(3) A Brief Note on the Collection of Pedigrees. Their Purpose, Scope, and Limitations. *Transactions of the Ophthalmological Society of the U.K.*, 1933.

COLLETT, MARGOT.

(4) A Study of Twelfth and Thirteenth Dynasty Skull from Kerma (Nubia). Crewdson Benington Memoir. *Biometrika*, xxv. 254–284.

DAVIES, O. L.

(5) On Asymptotic Formulæ for the Hypergeometric Series.—Part I. Hypergeometric Series in which the Fourth Element x is Unity. *Biometrika*, xxv. 295–322.

ELDERTON, ETHEL M.

(6) The Lanarkshire Milk Experiment. *Annals of Eugenics*, v. 326–336.

(7) Dr. Penrose on "Mental Defect." *Annals of Eugenics*, v. 410–411.

GARWOOD, F.

(8) The Probability Integral of the Correlation Coefficient. *Biometrika*, xxv. 71–78.

KARN, M. NOEL.

(9) A Further Study of Methods of Constructing Life Tables when Certain Causes of Death are eliminated. *Biometrika*, xxv. 91–101.

LESSER, PAMELA C. U.

(10) On the Shrinkage of Physical Characters in Man and Woman with Age. *Biometrika*, xxv. 197–202.

MORANT, G. M., and BUXTON, L. H. DUDLEY.

(11) The Essential Craniological Technique.—Part I. Definitions of Points and Planes. *Journal of the Royal Anthropological Institute*, lxiii. 19–47.

MORANT, G. M., and KITSON, ELIZABETH.

(12) A Study of the Naga Skull. *Biometrika*, xxv. 1–20.

PEARSON, E. S.

(13) Statistical Method in the Control and Standardization of the Quality of Manufactured Products. *Journal of Royal Statistical Society*, xcvi. 21–60.

PEARSON, E. S., and NEYMAN, J.

(14) The Testing of Statistical Hypotheses in Relation to Probabilities *A Priori*. *Proceedings of Cambridge Philosophical Society*, xxix. 492–510.

PEARSON, E. S., and WILKS, S. S.

(15) Method of Statistical Analysis appropriate for k Samples of Two Variables. *Biometrika*, xxv. 353–378.

PEARSON, KARL.

(16) On the Parent-Population with Independent Variates which gives the Minimum Value of Contingency for a given Sample. *Biometrika*, xxv. 134–146.

(17) On the Application of the Double Bessel Function $K_{\tau_1\tau_2}$ to Statistical Problems. *Biometrika*, xxv. 158–178.

(18) The Cranial Co-ordinato-graph, the Standard Planes of the Skull, and the Value of Cartesian Geometry to the Craniologist with some Illustrations of the Uses of the New Method. *Biometrika*, xxv. 217–253.

(19) On a Method of Determining whether a Sample of Size n supposed to have been drawn from a Parent Population having a known Probability Integral has probably been drawn at Random. *Biometrika*, xxv. 379–413.

(20) Note on Mr. Palin Elderton's paper on "Adjustments for the Moments of J-curves." *Biometrika*, xxv. 180–184.

(21) Note on Mr. McKay's paper on the "Distribution of $\sqrt{\beta_1}$ in Samples of Four from a Normal Universe." *Biometrika*, xxv. 210–213.

(22) On the Fitting of Frequency Curves. *Biometrika*, xxv. 213–216.

(23) *Tables of the Incomplete Beta-Function* (prepared under the direction of and edited by Karl Pearson). lix+494 pp.

(24) Appendix to Dr. Elderton's Paper on the Lanarkshire Milk Experiment. *Annals of Eugenics*, v. 337–338.

(25) Note on Dr. Ewald Bodewig's paper "Mathematische Betrachtungen zur Rassenhygiene, inbesondere zur Sterilisation." *Annals of Eugenics*, v. 411.

RUGER, HENRY, in conjunction with PEARSON, KARL.

(26) On the Inter-relationship of Certain Characters in Man (Males). —Part II. Reduction of the Data from Galton's First Anthropometric Laboratory. *Annals of Eugenics*, v. 364–400.

STOCKS, PERCY.

(27) On the Spread of Small-Pox in partially vaccinated Communities.—Part I. Variola Minor in Durham and Neighbouring Counties, 1922–1931. *Annals of Eugenics* v. 302–311.

STOCKS, PERCY, and KARN, M. NOEL.

(28) A Co-operative Study of the Habits, Home Life, Dietary, and Family Histories of 450 Cancer Patients and an Equal Number of Control Patients. *Annals of Eugenics*, v. 237–280.

STAFF OF THE BIOMETRIC LABORATORY.

(29) Discussion of Miss M. L. Tildesley's Albanian Measurements. *Biometrika*, xxv. 21–51.

Department of Physics. (Professor E. N. da C. Andrade.)

ANDRADE, E. N. DA C.

(1) Etude expérimentale des rayons positifs et leur application à la question des isotopes. *Comptes Rendus du Congrès Internationale d'Electricité*, 2 (1933), 891–914. Paris : Gautier-Villars.

(2) Sounding Plates and Sensitive Flames. *Proc. Royal Institution*, 27 (1933), 882–887.

BATES, L. F.

(3) A New Method for the Measurement of the Earth's Magnetic Field. *Proc. Phys. Soc.* 45 (1933), 180–192.

(4) A Compact Electromagnet for General Purposes. (With B. Lloyd-Evans.) *Ibid.* 45 (1933), 425–434.

(5) A Note on the Use of Magnetic Alloys for Demonstrations. *Ibid.* 45 (1933), 558.

(6) A Correlation of Some Thermoelectric and Thermomagnetic Data. *Phil Mag.* 16 (1933), 657–672.

(7) Recent Advances in Physics. *Science Progress*, 27 (1933), 410–415, 573–580 ; 28 (1933), 91–100, 279, 284.

CHALKLIN, F. C., and CHALKLIN, L. P.

(8) Some Wave-length Determinations in the Very Soft X-ray Region. *Phil. Mag.* 14 (1933), 363–389.

ROSCOE, R., and HUTCHINGS, P. J.

(9) A Rapid Method of Determining the Crystal Axis of Single Crystal Wires of Certain Metals. *Ibid.* 14 (1933), 703–707.

WOOD, D. O.

(10) The Physical Sciences. *Annual Register*, Pt. II. (1932) 60–65.

YATES-FISH, N. L.

(11) Demonstration of Ultra-Short Electric Waves. *Proc. Phys. Soc.* 45 (1933), 482–484.

(12) Radio Research in Australia. *Science Progress*, 28 (1933), 206–209.

Department of Chemistry. **(Professor F. G. Donnan and Professor C. K. Ingold.)**

ADAM, N. K.

(1) Neuere Untersuchungen über monomolekulare Oberflächenfilme. *Koll. Zeitschr.* 61 (1932), 168.

(2) Surface Films of Cellulose Derivatives on Aqueous Solutions. *Trans. Far. Soc.* 29 (1933), 90.

(3) Evidence from Surface Films on the Constitution of Batyl and Chimyl Alcohols. *J. Chem. Soc.* (1933), 164.

(4) The Structure of Surface Films.—Pt. XVII. Hydroxy-Stearic Acid and its Lactone. *Proc. Roy. Soc.* A, 140 (1933), 223.

ADAM, N. K., and DANIELLI, J. F.

(5) Contribution to Chemical Society Discussion on "The Chemistry of the Sterols," on 15th Dec., 1932. *J. Soc. Chem. Ind.* 52 (1933), 10.

ADAM, N. K., and HARDING, J. B.

(6) Surface Films of Cellulose Derivatives on Water and Dyestuff Solutions.—Pt. II. *Trans. Far. Soc.* 29 (1933), 837.

ADAM, N. K., and MILLER, J. G. F.

(7) The Structure of Surface Films.—Pt. XVIII. The Effect of Alkalinity in the Underlying Solution on Films of Fatty Acids. Pt. XIX. Influence of Alkaline Solutions on Films with Various End Groups. *Proc. Roy. Soc.* A, 142 (1933), 401.

BAILEY, C. R., and CASSIE, A. B. D.

(8) Investigations in the Infra-red Region of the Spectrum.—Pt. VIII. The Application of the Grating Spectrometer to certain Bands in the Spectra of Triatomic Molecules. *Ibid.* A, 140 (1933), 605.

(9) Ditto.—Pt. IX. The Absorption Spectrum of Chlorine Monoxide. *Ibid.* A, 142 (1933), 129.

CASSIE, A. B. D., and BAILEY, C. R.

(10) Ditto.—Pt. VII. An Infra-red Grating Spectrometer as a Double Monochromator. *Ibid.* A, 138 (1932), 531.

(11) Ultrarote und Ramanbanden der Kohlendioxyd-Kohlenoxysulfid-und Schwefelkohlenstoff-Moleküle. *Zeitschr. f. Phys.* 79 (1932), 35.

BRADY, O. L., and GRAYSON, H. J.

(12) The Isomerism of the Oximes.—Pt. XXVIII. The Constitution of the Acetyl Derivatives of α- and β-Aldoximes. *J. Chem. Soc.* (1933), 1037.

BRADY, O. L., and HUGHES, E. D.

(13) Co-ordination Compounds of 2 : 2′-Diphenol. *Ibid.* (1933), 1227.

BRADY, O. L., and PORTER, MARGARET, D.

(14) Co-ordination Compounds of Oximes.—Pt. III. Compounds of 4-Isonitroso-1-phenyl-3-methyl-5-pyrazolone with the Alkali Metals, Nickel and Thallium. *Ibid.* (1933), 840.

BURTON, H., SHOPPEE, C. W., and WILSON, C. L.

(15) Anionotropic and Prototropic Changes in Cyclic Systems.—Pt. I. Hydroxycyclopentenones. *Ibid.* (1933), 720–731.

DANIELLI, J. F.

(16) Surface Films of Sterols. Thesis for Ph.D. degree, 1933.

DANIELLI, J. F., MARRIAN, G. F., and HASLEWOOD, G. A. D.

(17) Further Observations on Surface Films of Oestrin Derivatives and of Pregnandiol. *Biochem. J.* 27 (1933), 311.

DE LASZLO, H.

(18) Copper to Glass Seals. *J. Sci. Instruments*, 10 (1933), 296.

DONNAN, F. G.

(19) Die Membrangleichgewichte. *Koll. Zeitschr.* 61 (1932), 160.

(20) Ostwald Memorial Lecture. *J. Chem. Soc.* (1933), 316.

(21) Some Considerations Relating to Membrane Equilibria and the Secondary Swelling of Protein Gels. *J. Internat. Soc. of Leather Trades Chemists* (April 1933), 136.

(22) Note on the Thermodynamic Functions of Radiation. *Sir P. C. Ray 70th Birthday Comm. Vol. of the J. of the Indian Chem. Soc.* (1933), 61.

DONNAN, F. G., and GUGGENHEIM, E. A.

(23) Die genaue Thermodynamik der Membrangleichgewichte. *Zeitschr. f. phys. Chem.* A, 162 (1932), 346.

FARQUHARSON, J.

(24) The Diamagnetic Susceptibilities of Some Sulphur Compounds. *Phil. Mag.* 7, 14 (1932), 1003.

FENTON, G. F., HEY, L., and INGOLD, C. K.

(25) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XIX. Thermal Decomposition of Phosphonium Chlorides. *J. Chem. Soc.* (1933), 989–991.

GARRICK, F. J., and WILSON, C. L.

(26) Solubility of Silver Thiocyanate in Aqueous Ammonia. *Ibid.* (1932), 835.

GOODEVE, C. F., and TODD, F. A.

(27) Chlorine Hexoxide and Chlorine Trioxide. *Nature*, 132 (1933), 514.

GUGGENHEIM, E. A., and ADAM, N. K.

(28) The Thermodynamics of Adsorption at the Surface of Solutions. *Proc. Roy. Soc.* A, 139 (1933), 218.

HARTLEY, G. S., and MOILLIET, J. L.

(29) The Moving Boundary Method for the Determination of Transport Numbers. *Ibid.* 140 (1933), 141.

HARDING, J. B.

(30) Surface Potentials of Thin Films. Thesis for Ph.D. degree, 1933.

HEY, L., and INGOLD, C. K.

(31) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. X. Formation and Decomposition of Dibenzyldiallyammonium Hydroxide. *J. Chem. Soc.* (1933), 66–67.

(32) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XVII. Thermal Decomposition of Phosphonium Ethoxides. *Ibid.* (1933), 531–533.

HOATHER, R. C.

(33) An Apparatus for the Rapid Estimation of Oxygen or other Gases dissolved in Water. *J. Soc. Chem. Ind.* 52 (1933), 689.

HUGHES, E. D.

(34) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XIV. The Action of Tertiary Amines on Triphenylmethyl Halides. *J. Chem. Soc.* (1933), 69–75.

HUGHES, E. D., and INGOLD, C. K.

(35) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XII. Decomposition of Some Quaternary Ammonium Salts containing the Methyl, Benzyl, and Benzhydryl Groups. *Ibid.* (1933), 69–75.

(36) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XV. Dynamics of the Elimination of Olefins from Quaternary Ammonium Compounds. *Ibid.* (1933), 523–526.

HUGHES, E. D., INGOLD, C. K., and PATEL, C. S.

(37) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XVI. Mechanism of the Thermal Decomposition of Quaternary Ammonium Compounds. *Ibid.* (1933), 526–531.

INGOLD, C. K.

(38) Significance of Tautomerism and of the Reactions of Aromatic Compounds in the Electronic Theory of Organic Reactions. *Ibid.* (1933), 526–531.

INGOLD, C. K., JESSOP, J. A., KURIYAN, K. I., and (in part) MANDOUR, A. M. M.

(39) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XVIII. Thermal Decomposition of Sulphonium Hydroxides. *Ibid.* (1933), 533–537.

INGOLD, C. K., and KIDD, H. V.

(40) The Mechanism of Aromatic Rearrangements.—Pt. II. The Benzidine Change. *Ibid.* (1933), 984–988.

INGOLD, C. K., and KURIYAN, K. I.

(41) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XX. Elimination of Saturated Primary Alcohols by Thermal Decomposition of Sulphonium Hydroxides. *Ibid.* (1933), 991–993.

INGOLD, C. K., and PATEL, C. S.

(42) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XI. Decomposition of Quaternary Ammonium Hydroxides containing the tert.-Butylcarbinyl Group. *Ibid.* (1933), 67–68.

(43) Influence of Poles and Polar Linkings on the course pursued by Elimination Reactions.—Pt. XII. Decompositions of Quaternary Ammonium Alkoxides. *Ibid.* (1933), 68–69.

INGOLD, C. K., and SHAH, L. D.

(44) The Modes of Addition to Conjugated Unsaturated Systems.—Pt. V. The Hydrogenation of Ethyl Muconate and Sorbic and B-Vinylacrylic Acids in the Presence of Platinum. *Ibid.* (1933), 885–890.

LE FEVRE, R. J. W.

(45) Volumes of Alkyl Groups and their Orienting Powers. *Nature*, **131** (1933), 655.

(46) Volume Effects of Alkyl Groups in Aromatic Compounds.—Pt. I. Influence of 2 : 6-Dinitration on a Group CRRAlk. *J. Chem. Soc.* (1933), 977–980.

(47) Volume Effects of Alkyl Groups in Aromatic Compounds.—Pt. II. Influence of a Group CRRAlk. on Vicinal Substitution. *Ibid.* (1933), 980–984.

LE FEVRE, R. J. W., and LE FEVRE, CATHERINE G.

(48) Comparison of the Directive Powers of Elements having Consecutive Atomic Numbers.—Pt. IV. Nitration of 2 : 4 : 6-Triphenylpyrlium Perchlorate. *Ibid.* (1932), 2894–2899.

LE FEVRE, R. J. W., and JOHNSTON, HILDA E.

(49) Nitration of Di-p-tolyl- and Di-p-chlorophenyl-phenylpyrylium Perchlorates. *Ibid.* (1932), 2900–2903.

LE FEVRE, R. J. W., MARKHAM, P. J., and PEARSON, J.

(50) The Nitration of Chalkone. *Ibid.* (1933), 344–346.

LE FEVRE, R. J. W., and PEARSON, J.

(51) Preparation of 2-Phenylquinoline from *o*-Nitrostyryl Phenyl Ketone. *Ibid.* (1932), 2807–2808.

(52) Note on an Alleged Specific Test for Acetone. *J. Soc. Chem. Ind.* 51 (1932), 433–434.

(53) Comparison of the Directive Powers of Elements having Consecutive Atomic Numbers.—Pt. V. The Nitration of 9-Phenylxanthylium Perchlorate. *J. Chem. Soc.* (1933), 482–484.

(54) Notes on (*a*) a Case of Ketonic Activity of Acetic Anhydride, and (*b*) the Condensation of Salicylaldehyde with Benzoylacetone. *Ibid.* (1933), 1197–1200.

LE FEVRE, R. J. W., and SMITH, J. W.

(55) Dipole Moments of Quinoline and iso-Quinoline. *Ibid.* (1932), 2810–2811.

LENS, J.

(56) On the Diffuse Double Layer. *Proc. Roy. Soc.* A, 139 (1933), 596.

LEVY, NORMAN.

(57) The Catalytic Activity of Nickel Aerogel. Thesis for Ph.D. degree, 1933.

MACWALTER, R. J., and BARRATT, S.

(58) A New Method of Estimating Match-Points in Divided Beam Spectrophotometry. *J. Sci. Instruments*, 10 (1933), 312.

MILLER, J. G. F.

(59) Studies in Surface Films with particular reference to the Effects of Ionization of the Water Soluble Group. Thesis for Ph.D., 1933.

MILLS, E. V.

(60) Studies on the Nature and Amount of the Colloids present in Sewage.—Pt. III. The Influence of the P_H Value on the Physical Properties of Sewage Liquors. *J. Soc. Chem. Ind.* 51 (1932), 374.

MOILLIET, J. L.

(61) The States of Aggregation of Some Colloidal Electrolytes from Transport Number and Conductivity Measurements. Thesis for Ph.D. degree, 1933.

MURRAY, R. C.

(62) Preparation of Hexadecanesulphonic Acid. *J. Chem. Soc.* (1933), 739.

PEDDER, J. S., and BARRATT, S.

(63) The Determination of the Vapour Pressures of Amalgams by a Dynamic Method. *Ibid.* (1933), 537.

POWNEY, J.

(64) Some Studies of the Properties and Decomposition of Chlorine Heptoxide. Thesis for Ph.D. degree, 1933.

PRITCHARD, G. J.

(65) The Orientation of Additions to Unsaturated Compounds. Thesis for Ph.D. degree, 1933.

RAGHAVA-RAO, B. S. V.

(66) Spectroscopy of Electrical Discharges. Production and Measurement of Atomic Hydrogen. Thesis for Ph.D. degree, 1933.

SHAH, L. D.

(67) The Mechanism of Catalytic Hydrogenation with Special Reference to the Reduction of Conjugated Unsaturated Substances. Thesis for Ph.D. degree, 1933.

STEIN, N. O.

(68) On the Photochemistry of Hydrogen Sulphide. *Trans. Far. Soc.* 29 (1933), 583.

(69) On the Spectrum of Hydrogen Sulphide. *Astrophys. Journal,* 77 (1933), 270.

TOPLEY, B.

(70) Reaction Velocity in Reversible Systems Solid $\leftrightarrows$ Solid + Gas. *Phil. Mag.* VII. 14 (1932), 1080.

Department of Chemical Engineering. **(Professor W. E. Gibbs.)**

CARMAN, P. C.

(1) A Study of the Mechanism of Filtration.—Pt. I. *Trans. Soc. Chem. Ind.* 52 (1933), 280 T-282 T.

GIBBS, W. E.

(2) The Testing of an Evaporator. *Trans. Instn. Chem. Eng.* 10 (1932), 105–111.

(3) Chemical Engineering as a Basic Factor in Modern Industry. *Engineering*, 28th July, 1933.

(4) The Functions and Training of a Chemical Engineer. *Chemical Age*, 28 (1933), 67–69.

WARDEN, C. P.

(5) Thermal Conductivity and the Plate Efficiency in a Rectifying Column. *Trans. Soc. Chem. Ind.* 51 (1932), 405–411.

Department of Geology. (Professor W. B. R. King.)

CHUBB, L. J.

(1) Geology of Galapagos, Cocos, and Easter Islands. *B. P. Bishop Museum Bull.* 110 (1933), 1–44.

KIRKALDY, J. F.

(2) The Sandgate beds of the Western Weald. *Proc. Geol. Assoc.* 44 (1933), 270–311.

KIRKALDY, J. F., and WOOLDRIDGE, S. W.

(3) The Longitudinal Profile of certain Rivers of S.E. England and their Bearing on the Eustatic Theory. *Report of the British Assoc.* Leicester, 1933.

MACGREGOR, M.

(4) A Geochemical and Petrological Study of the Dalbeattie Granite. Thesis for Ph.D. degree, June 1933.

Department of Botany. (Professor T. G. Hill and Professor E. J. Salisbury.)

BROWNE, ISABEL M. P.

(1) A Fifth Contribution to our Knowledge of the Anatomy of the Cone and Fertile Stem of *Equisetum*. *Ann. Bot.* 47 (1933), 459–475.

DOWLING, RUBY.

(2) The Reproduction of *Plantago Coronopus*: An Example of Morphological and Biological Seed Dimorphism. *Ann. Bot.* 47 (1933), 860–872.

GUPTA, P. S.

(3) Reaction of Plants to the Density of Soil. *Journ. Ecol.* 21 (1933), 452–474.

HAAS, P., and HILL, T. G.

(4) Observations on the Metabolism of Certain Sea-Weeds. *Ann. Bot.* 47 (1933), 55–67.

JANE, F. W.

(5) Botany in Relation to the Study of Timber. *Essex Naturalist*, 24, (1933), 34–48.

(6) Teratological Studies in the Tubiflorae.—1. Abnormalities in the Flowers of *Antirrhinum majus* L. *Ann. Bot.* 47 (1933), 477–502.

(7) The Structure of the Somatic Chromosomes of *Alstroemeria* and *Bomarea*. Thesis for Ph.D. 1933.

(8) The Structure of Timbers in Relation to their Uses. *Journ. Quekett Micro. Club.* 16 (1933), 277–300.

JUBY, D. V., and PHEASANT, J. H.

(9) On Intermittent Germination as illustrated by *Helianthemum guttatum*. *Journ. Ecol.* 21 (1933), 442–451.

SALISBURY, E. J.

(10) Seedling Mortality amongst Plants. *Proc. Linn. Soc.* 49 (1933), 97–100.

(11) The East Anglian Flora: A Study in Comparative Plant Geography. *Trans. Norfolk & Norwich Nat. Soc.* 13 (1932), 191–263.

(12) The Influence of Man on Vegetation. *Trans. S.E. Union Sci. Socs.* (1933), 1–17.

Department of Zoology. (Professor D. M. S. Watson.)

GRAUBARD, M. A.

(1) Tyrosinase in Mutants of *Drosophila melanogaster*. *Journ. Genet.* 27, No. 2 (May 1933), 199–218.

HALDANE, J. B. S.

(2) Genetical Evidence for a Cytological Abnormality in Man. *Ibid.* 26 (Dec. 1932), 341.

(3) Can Evolution be explained in Terms of known Genetical Facts? *Proc. 6th Int. Cong. Genetics*, 1 (1933), 185.

(4) The Part played by Recurrent Mutation in Evolution. *Amer. Nat.* 67 (1933), 1.

(5) Two new Allelomorphs for Heterostylism in *Primula*. *Ibid.* 67 (1933), 559.

HALDANE, J. B. S., with WINTON, D. DE.

(6) The Genetics of *Primula sinensis*.—II. Segregation and Interaction of Factors in the Diploid. *Journ. Genet.* 27 (1933), 1.

HALDANE, J. B. S., with GAIRDNER, A. E.

(7) A Case of Balanced Lethals in *Antirrhinum majus*.—II. *Ibid.* (1933), 287.

RUSSELL, E. S.

(8) Is Comparative Psychology an "Objective" Science? *Scientia* (Milan, Sept. 1933), 181–190.

STEEN, MARGARET C.

(9) The Amphibian Fauna from the South Joggins, Nova Scotia. *Proc. Zool. Soc.* (In the press.)

THIRUMALACHAR, B.

(10) Viviparity in Teleost Fishes. Thesis for Ph.D. degree, 1933.

WATSON, D. M. S.

(11) Fishes of the Old Red Sandstone. *Geolog. Survey Mem. on the Orkney Islands.* (In the press.)

WHITE, M. J. D.

(12) Tetraploid Spermatocytes in a Locust, *Schistocerca gregaria*. *Cytologia*, 5 (Nov. 1933).

Department of Anatomy and Embryology.

(Professor G. Elliot Smith, Professor J. P. Hill, and Professor H. A. Harris.)

GIRGIS, A.

(1) A Further Contribution on the Development of the Heart in the Rabbit. *Proc. Zool. Soc. Lond.* (1933), 421–450, plates i.–viii.

HARRIS, H. A.

(2) *Bone Growth in Health and Disease.* The Biological Principles underlying the Clinical, Radiological, and Histological Diagnosis of Perversions of Growth and Disease in the Skeleton. xi+248 pp., 201 figs. Oxford University Press, 1933.

(3) Glycogen in Cartilage. *Nature,* 130 (1932), 996.

(4) Memorandum on the Anatomical and Physiological Characteristics and Development of Children between the ages of 2 and 7. Special Report of the Consultative Committee of the Board of Education. *The Infant and Nursery Schools,* Appendix II. 215–243. H.M. Stationery Office, 1933.

(5) Ossifications in the Lumbo-sacral Region. *Brit. J. Radiol.* 6 (November 1933), 685–688.

(6) Congenital Abnormalities of the Skeleton. Chapter 18 in *Chances of Morbid Inheritance,* pp. 378–404, 7 figs. The Eugenics Society.

(7) Review of *Problems of Relative Growth* by Julian S. Huxley. *J. Anat.* 67 (1932–33), 484–485.

HARRIS, H. A., and RUSSELL, A. E.

(8) The Atypical Growth in Cartilage as the Fundamental Factor in Dwarfism and Achondroplasia. *Proc. Roy. Soc. Med.* (Section of Orthopædics), 26 (1933), 47–59.

HILL, CATHERINE J., and HILL, J. P.

(9) The Development of the Monotremata.—Pt. I. The Histology of the Oviduct during Gestation. By C. J. Hill. Pt. II. The Structure of the Egg-shell. By J. P. Hill. *Trans. Zool. Soc. Lond.* 21 (1933), 413–476, plates xxv.–xxxiv.

HOCART, A. M.

(10) *The Progress of Man.* Methuen.

(11) Evidence in Human History. *Psyche Annual* (1900), 80.

(12) The Fear of the Dead. *Nature* (November 1933), 658.

SMITH, G. ELLIOT.

(13) *The Diffusion of Culture.* ix+509 pp. London : Watts.

(14) The Unity of Civilisation. *School.*

WOLFF, E.

(15) *The Anatomy of the Eye and Orbit.* viii+310 pp. H. K. Lewis & Co., 1933.

(16) *Anatomy for Artists.* viii+194 pp. Second Edition. H. K. Lewis & Co., 1933.

(17) Choroidal Tubercle in Miliary Tuberculosis without Meningitis. With Mr. G. Penman. *Proceedings of the Royal Society of Medicine*, 26 (January 1933), 315.

YOUNG, MATTHEW.

(18) A Study of Asthmatic and Rheumatic Children with Special Reference to Physical Type. *Journal of Hygiene.* 33, No. 4 (1933), 435–463.

YOUNG, MATTHEW, and DINGWALL, DORIS.

(19) The Skulls from Excavations at Dunstable, Bedfordshire. *Biometrika*, 25 (1933), 147–157.

Department of Physiology and Biochemistry.

(Professor C. Lovatt Evans, Professor A. V. Hill, and Professor J. C. Drummond.)

BARCROFT, H.

(1) Observations on the pumping action of the heart. *J. Physiol.* 78 (1933), 186.

BAYLISS, L. E., and OGDEN, E.

(2) " Vaso-tonins " and the pump-oxygenator-kidney preparation. *Ibid.* 77 (1933), 34P.

BELL, MURIEL E.

(3) Albuminuria in the normal male rat. *Ibid.* 79 (1933). 191.

(4) Cystine and nephrotoxicity. *Biochem. J.* 27 (1933), 1267.

BERESINA, MARY, and FENG, T. P.

(5) Heat production of crustacean nerve. *J. Physiol.* 77 (1933), 111.

BOURNE, MARGHERITA COTONIO.

(6) The effect of diet on the nature of the ocular lesions produced by naphthalene. *Brit. J. Ophthal.* (April 1933), 210.

BROWNE, J. S. L., and EVANS, C. LOVATT.

(7) Carbohydrate metabolism and the effect of decapitation and decerebration under nitrous oxide anæsthesia. *J. Physiol.* 80 (1933), 1.

DRUMMOND, J. C., and GREGORY, ELIZABETH.

(8) A study of fat metabolism with special reference to nutrition on diets devoid of fat. *Z. f. Vitaminforschung*, 1 (1933), 257.

DRUMMOND, J. C., BELL, MURIEL E., and GREGORY, ELIZABETH.

(9) Studies of the alleged toxic action of cod liver oil and concentrates of vitamin A. *Ibid.* 2 (1933), 161.

DRUMMOND, J. C., WATSON, S. J., HEILBRON, I. M., and MORTON, R. A.

(10) The influence of artificially dried grass in the winter ration of the dairy cow on the colour and vitamin A and D contents of butter. *Empire J. Exp. Agric.*, 1 (April 1933),

EVANS, C. LOVATT.

(11) Sixth Edition of *Principles of Human Physiology* by E. H. Starling. London : J. & A. Churchill, 1933.

EVANS, C. LOVATT, DE GRAFF, A. C., KOSAKA, T., MACKENZIE, K., MURPHY, G. E., VACEK, T., WILLIAMS, D. H., and YOUNG, F. G.

(12) The utilization of blood sugar and lactate by the heart-lung preparation. *J. Physiol.* 80 (1933), 21.

EVANS, C. LOVATT, HSU, FONG-YEN, and KOSAKA, T.

(13) Glycolytic formation of blood lactate. *Ibid.* 80 (1933), P. 19.

FENG T. P.

(14) The rôle of lactic acid in nerve activity. *J. Physiol.* 76 (1932), 477.

FENG, T. P., and HILL, A. V.

(15) The steady state of heat production of nerve. *Proc. Roy. Soc.* B, 113 (1933), 356.

(16) The effect of frequency of stimulation on the heat production of frog's nerve. *Ibid.* B, 113 (1933), 366.

(17) The relation between initial and recovery heat production in frog's nerve. *Ibid.* B, 113 (1933), 369.

FROMHERZ, H., and HILL, A. V.

(18) The action of veratrine on frog's nerve. *J. Physiol.* 77 (1933), 25 P.

FROMHERZ, H.

(19) The action of veratrine, curare, and strychnine on the response of medullated nerve. *Ibid.* 79 (1933), 67.

GRANT, RHODA.

(20) The formation of liver glycogen in the cat, under various conditions, following infusion of ammonium lactate. *Ibid.* 80 (1933), 41.

HILL, A. V.

(21) The three phases of nerve heat production. *Proc. Roy. Soc.* B, 113 (1933), 345.

(22) The effect of veratrine on the heat production of medullated nerve. *Ibid.* B, 113 (1933), 386.

(23) Wave transmission as the basis of nerve activity. *Scientific Monthly*, 37 (1933), 316.

KAMADA, T.

(24) The vapour pressure of the blood of the edible snail. *J. Exp. Biol.* 10 (1933), 75.

KERRIDGE, PHYLLIS M. TOOKEY.

(25) Proteinuria in chronic nephritis. *Lancet.* (In the press.)

KOSAKA, T.

(26) The control of the insulin output of the pancreas. *J. Physiol.* 79 (1933), 416.

MARRIAN, G. F.

(27) Recent advances in the chemistry and biological assay of oestrin. *Physiol. Reviews*, 13 (1933), 185.

(28) Recent progress in the chemistry of the oestrus-producing hormones. *Science Progress*, 109 (1933), 69.

MARRIAN, G. F., DANIELLI, J. F., and HASLEWOOD, G. A. D.

(29) Further observations on surface films of oestrin derivatives and of pregnandiol. *Biochem. J.* 27 (1933), 311.

MARRIAN, G. F., and NEWTON, W. H.

(30) The action of oestrin on the isolated uterus. *J. Physiol.* 77 (1933), 4 P.

(31) Further observations on the action of oestrin on the isolated uterus. *Ibid.* 78 (1933), 17 P.

NEWTON, W. H., and SMIRK, F. H.

(32) The effect of the intravenous administration of water upon the rate of urine formation. *Ibid.* 78 (1933), 451.

NEWTON, W. H.

(33) The normal behaviour of the isolated uterus of the guinea-pig and its reactions to oestrin and oxytocin. *Ibid.* 79 (1933), 301.

PARKINSON, J. L.

(34) The effect of activity on the form of the muscle twitch. *Ibid.* 78 (1933), 106.

ROBERTSON, E. B., and DUKE-ELDER, W. S.

(35) The elasticity of the vitreous body. *Proc. Roy. Soc.* B. 112 (1933), 215.

(36) A note on the physical properties of dilute plasma gels and an analogy with the vitreous body. *Ibid.* B, 112 (1933), 224.

TANSLEY, KATHERINE.

(37) The formation of rosettes in the rat retina. *Brit. J. Ophthal.* (June 1933), 321.

(38) Factors affecting development and regeneration of visual purple in mammalian retina. *Proc. Roy. Soc.* B, 114 (1933), 79.

Department of Pharmacology. (Professor E. B. Verney.)

ING, H. R.

(1) The alkaloids of *Anagyris foetida* and their relation to the lupin alkaloides. *J. Chem. Soc.* (1933), 504–510.

Ing, H. R., and Cowan, S. L.

(2) The effect of quaternary ammonium salts upon nerve. *J. Physiol.* 79 (1933), 75–82.

Ing, H. R., and Wright, the late Winifred M.

(3) Further studies on the pharmacological properties of onium salts. *Proc. Roy. Soc.* B, 114 (1933), 48–62.

Klisiecki, A., Pickford, Lilian M., Rothschild, P., and Verney, E. B.

(4) The absorption and excretion of water by the mammal.—Part I. The relation between absorption of water and its excretion by the innervated and denervated kidney. *Ibid.* B, 112 (1933), 496–521.

(5) Ditto.—Part II. Factors influencing the response of the kidney to water ingestion. *Ibid.* B, 112 (1933), 521–547.

Theobald, G. W.

(6) Intraperitoneal pressure and its changes during pregnancy. *J. Obst. Gynec.* 39 (1932), 854.

(7) Incidence of albumin and sugar in the urine of normal women. *Lancet*, 2 (1932), 1380.

(8) The relationship of the albuminuria of pregnancy to chronic nephritis. *Ibid.* 1 (1933), 626.

(9) The etiology and prevention of the toxæmias of pregnancy. *Brit. Med. J.* 2 (1933), 376.

Theobald, G. W., and White, M.

(10) An anti-diuretic substance extracted from the liver. *J. Physiol.* 78 (1933), 18 P.

Department of Civil and Mechanical Engineering.

(Professor E. G. Coker.)

Bates, L. F., and Lloyd-Evans, B.

(1) A Compact Electro-Magnet for General Purposes. *Proceedings of the Physical Society*, May 1933.

Coker, E. G., and Levi, Ruth (Mrs. H. R. Lang).

(2) Force Fits and Shrinkage Fits in Crank Webs and Locomotive Wheels. *Proceedings of the Institution of Mechanical Engineers.* (In the press.)

COKER, E. G., LEVI, RUTH (Mrs. H. R. LANG), and RUSSELL, R.

(3) The Stresses in Fusion Joints. *Ibid.* April 1933.

COKER, E. G., and RUSSELL, R.

(4) Stress Distributions in Fusion Joints of Plates connected at Right Angles. *Transactions of the Institution of Naval Architects*, April 1933.

LLOYD-EVANS, B., and WATTS, S. S.

(5) An Investigation into the Flow of Air in Pipes. *Proceedings of the Physical Society*, January 1933.

Department of Electrical Engineering. **(Professor W. C. Clinton.)**

BAYLISS, C. W.

(1) Measurement of Corona Loss : Notes on a method of measurement of Corona Loss by means of a Cathode Ray Oscillograph. *The Electrical Times*, 83, No. 2170 (25th May, 1933).

Department of Municipal Engineering. **(Professor M. T. M. Ormsby.)**

HART, C. A., and STOPHER, H. S.

(1) Percolation through rapid sand filters. Dissertation for M.Sc. degree.

ORMSBY, M. T. M., and HART, C. A.

(2) Rainfall and Run-off Calculations. *Journal of the Institution of Municipal and County Engineers* (February 1933), 10 pp.